

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026977.D
 Acq On : 21 Sep 2018 19:18
 Operator : MD/SY
 Sample : J4939-01DL 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1DL

Quant Time: Sep 22 02:22:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	81922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163196	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	76425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	90631	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	4.88	113	70890	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	7.57	98	252385	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	10.31	95	89348	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	10958	6.366	ug/l	97
6) Chloroethane	1.70	64	17583	15.987	ug/l	98
11) Tert butyl alcohol	2.83	59	1650	4.366	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	40084	35.427	ug/l	98
13) Acrolein	2.19	56	70	0.344	ug/l #	1
15) Acrylonitrile	2.95	53	461	0.484	ug/l #	91
16) Acetone	2.32	43	1792	Below Cal	#	88
17) Carbon Disulfide	2.48	76	2784	0.755	ug/l #	85
20) Methylene Chloride	2.70	84	901	0.610	ug/l #	96
21) trans-1,2-Dichloroethene	2.99	96	435	0.360	ug/l #	38
24) 1,1-Dichloroethane	3.45	63	18692	6.914	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	5865	4.299	ug/l	88
29) Tetrahydrofuran	4.66	42	334	0.398	ug/l #	53
31) Cyclohexane	4.99	56	2361	0.390	ug/l #	1
36) 1,1-Dichloropropene	5.14	75	628	0.288	ug/l #	43
38) Carbon Tetrachloride	4.99	117	8307	4.008	ug/l #	18
40) Benzene	5.40	78	1489	0.225	ug/l #	88
42) 1,2-Dichloroethane	5.41	62	3781	1.511	ug/l	83
43) Isopropyl Acetate	5.46	43	11209	2.607	ug/l #	62
44) Trichloroethene	6.20	130	620	0.440	ug/l	83
48) Methyl methacrylate	6.61	41	168	1.082	ug/l #	17
49) 1,4-Dioxane	6.61	88	20842	447.457	ug/l	98
51) 4-Methyl-2-Pentanone	7.47	43	933	0.323	ug/l	95
59) 2-Hexanone	8.38	43	2457	1.085	ug/l #	63
64) Tetrachloroethene	8.22	164	255	0.205	ug/l #	61
65) Chlorobenzene	9.12	112	1227	0.286	ug/l	92
68) m/p-Xylenes	9.38	106	661	1.729	ug/l #	62
70) Styrene	9.80	104	675	1.949	ug/l #	87
74) N-amyl acetate	10.02	43	720	0.214	ug/l #	55
76) 1,2,3-Trichloropropane	10.31	75	47453	20.438	ug/l #	36
77) Bromobenzene	10.46	156	386	0.272	ug/l	78
78) n-propylbenzene	10.59	91	1694	0.246	ug/l	90
79) 2-Chlorotoluene	10.77	91	1524	0.353	ug/l	72
81) trans-1,4-Dichloro-2-buten	10.31	75	47453	65.406	ug/l #	100

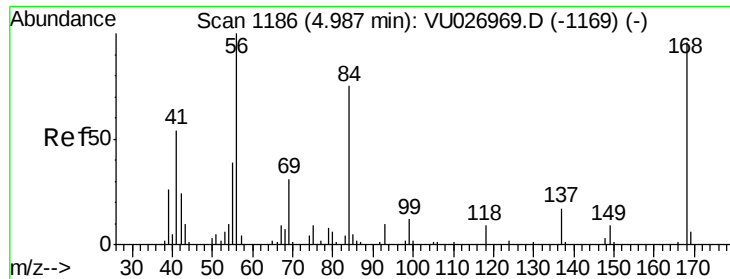
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	10.77	91	1524	0.315	ug/l	77
85) sec-Butylbenzene	11.32	105	1292	0.223	ug/l	87
86) p-Isopropyltoluene	11.48	119	1109	1.128	ug/l	87
87) 1,3-Dichlorobenzene	11.42	146	1268	0.480	ug/l	91
88) 1,4-Dichlorobenzene	11.42	146	1268	0.440	ug/l	91
89) n-Butylbenzene	11.89	91	1764	2.711	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	1144	0.407	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.66	75	125	0.229	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.51	180	1388	0.858	ug/l	93
94) Hexachlorobutadiene	13.69	225	463	0.541	ug/l	95
95) Naphthalene	13.75	128	3690	2.253	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.99	180	1334	0.769	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

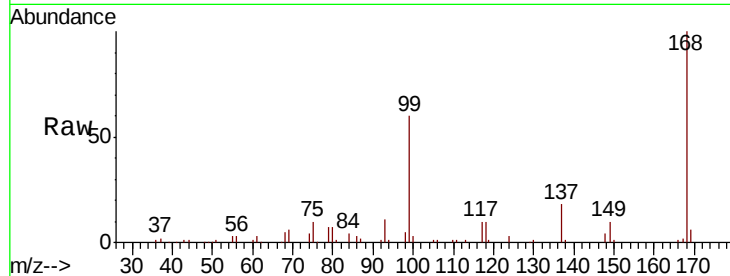
MW-1DL

Tgt Ion:168 Resp: 81922

Ion Ratio Lower Upper

168 100

99 60.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

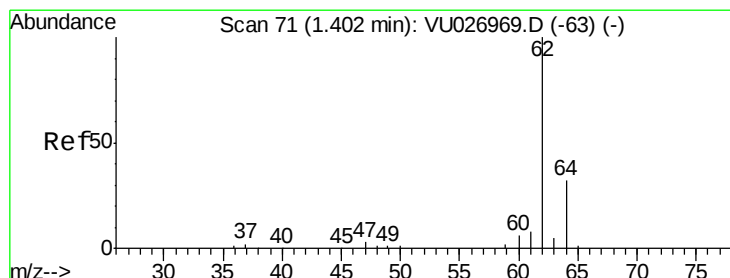
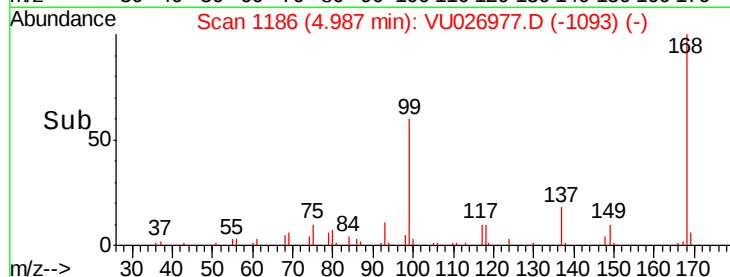
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#4

Vinyl Chloride

Concen: 6.366 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026977.D

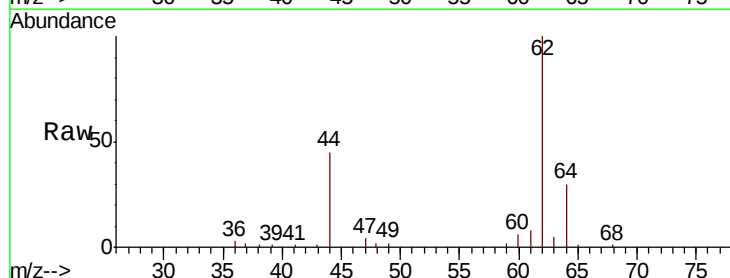
Acq: 21 Sep 2018 19:18

Tgt Ion: 62 Resp: 10958

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)

1.40

12000

10000

8000

6000

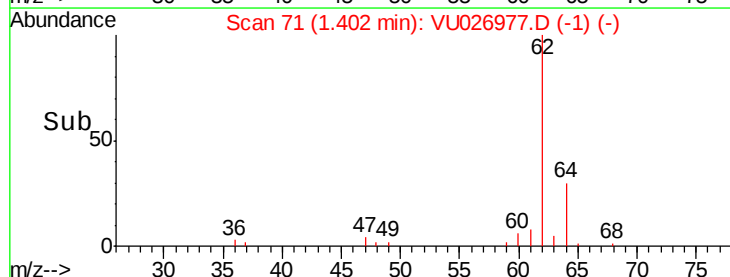
4000

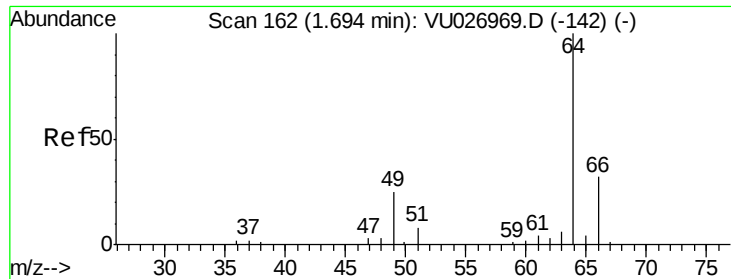
2000

0

1.35 1.40 1.45

Time-->





#6

Chloroethane

Concen: 15.987 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

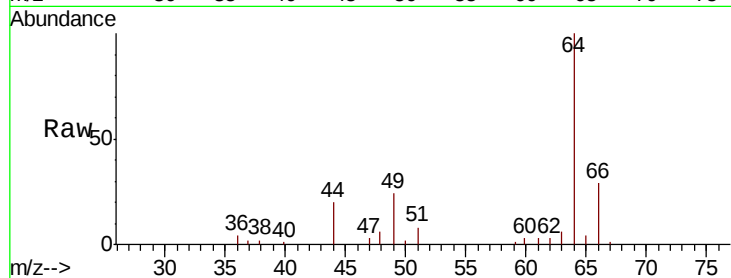
MW-1DL

Tgt Ion: 64 Resp: 17583

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

15000

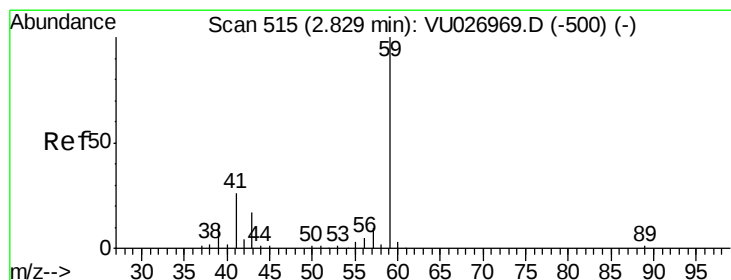
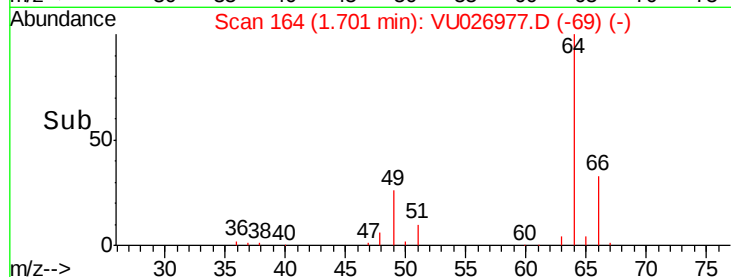
10000

5000

0

Time-->

1.65 1.70 1.75



#11

Tert butyl alcohol

Concen: 4.366 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU026977.D

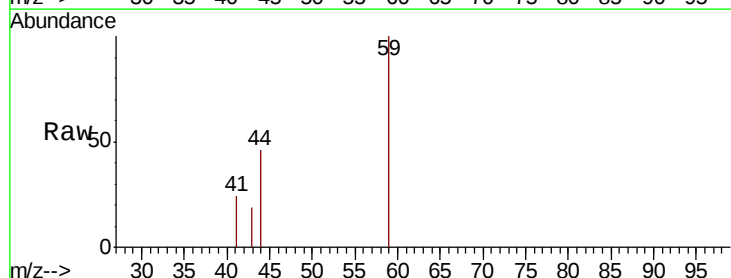
Acq: 21 Sep 2018 19:18

Tgt Ion: 59 Resp: 1650

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

800

600

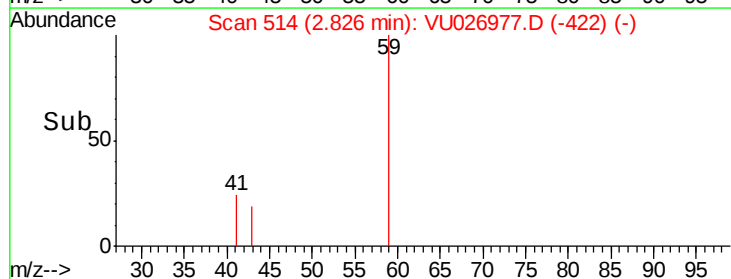
400

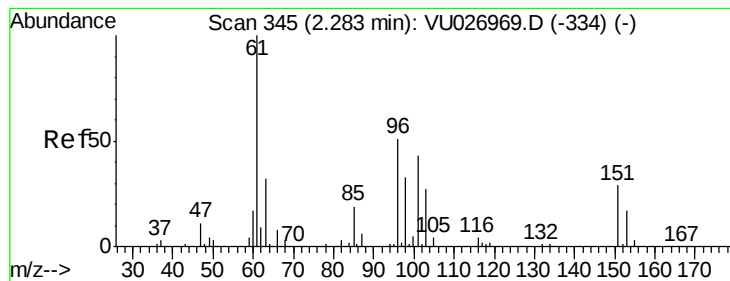
200

0

Time-->

2.80 2.85





#12

1,1-Dichloroethene

Concen: 35.427 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

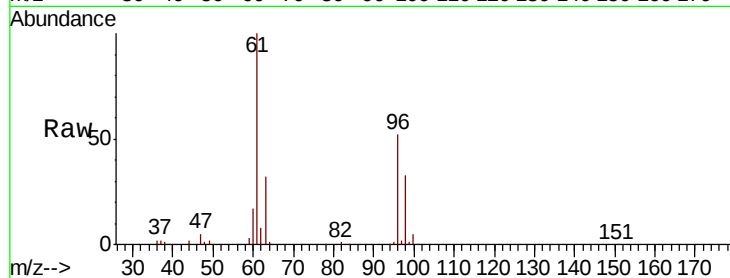
Tgt Ion: 96 Resp: 40084

Ion Ratio Lower Upper

96 100

61 192.9 156.1 234.1

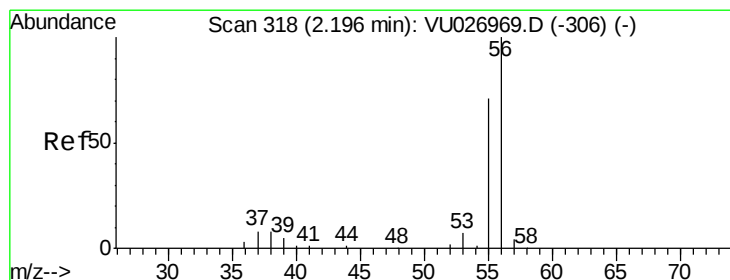
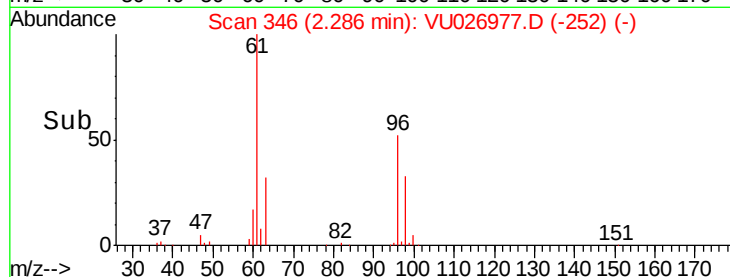
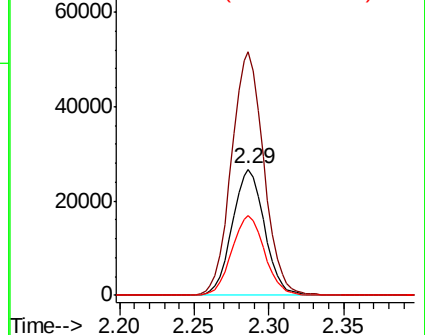
98 62.8 51.4 77.0



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



#13

Acrolein

Concen: 0.344 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU026977.D

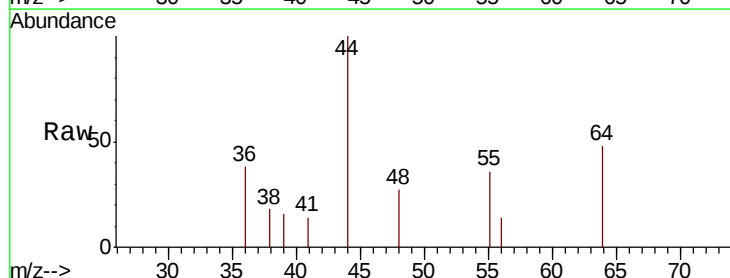
Acq: 21 Sep 2018 19:18

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

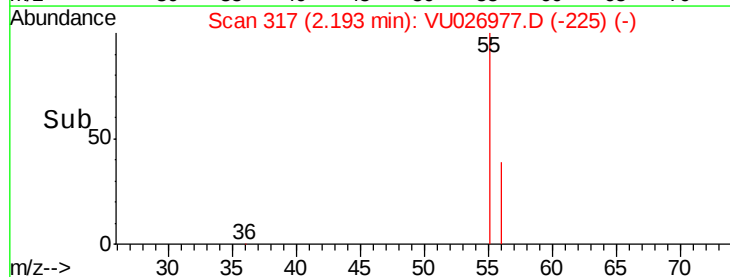
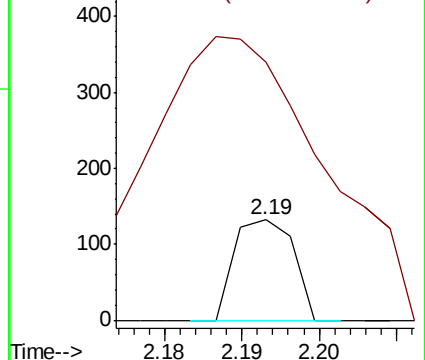
56 100

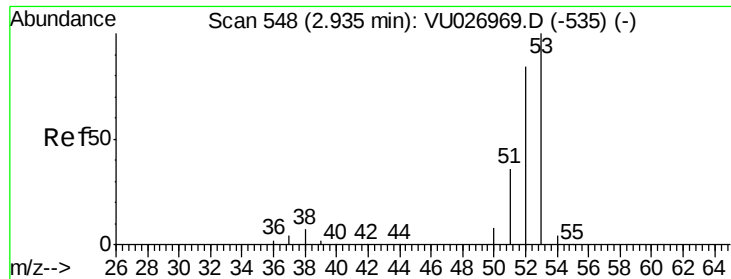
55 818.6 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#15

Acrylonitrile

Concen: 0.484 ug/l

RT: 2.95 min Scan# 551

Delta R.T. 0.01 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

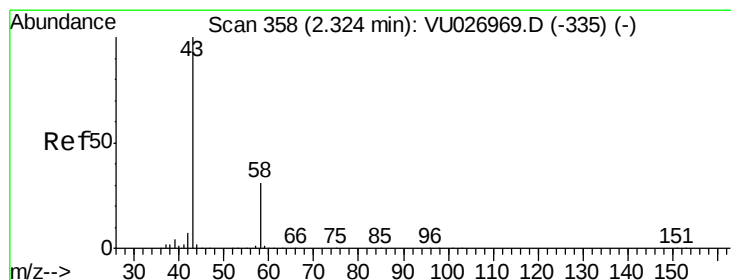
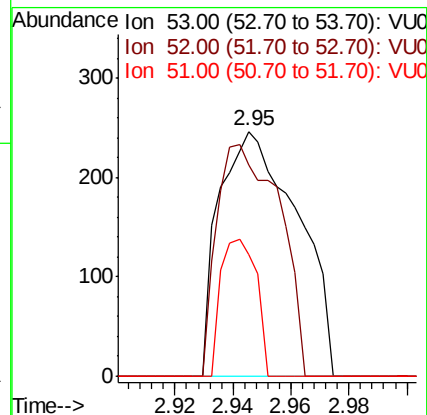
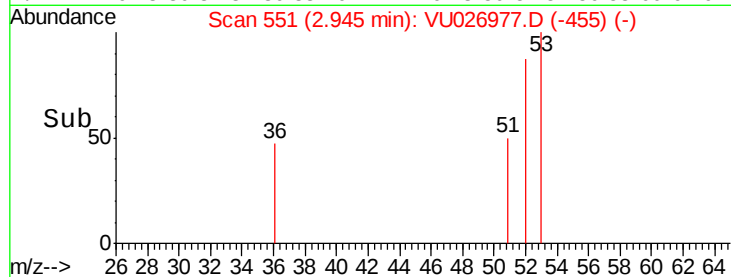
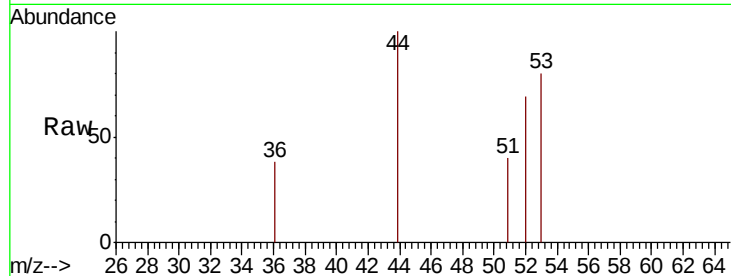
Tgt Ion: 53 Resp: 461

Ion Ratio Lower Upper

53 100

52 76.1 65.7 98.5

51 25.2 27.4 41.2#



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026977.D

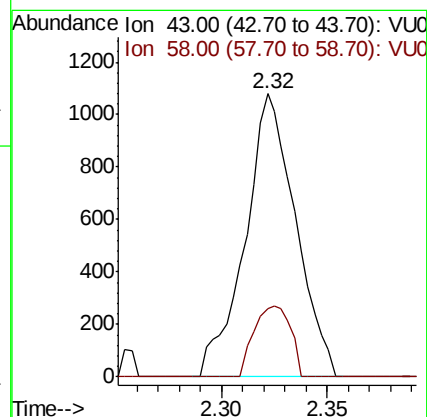
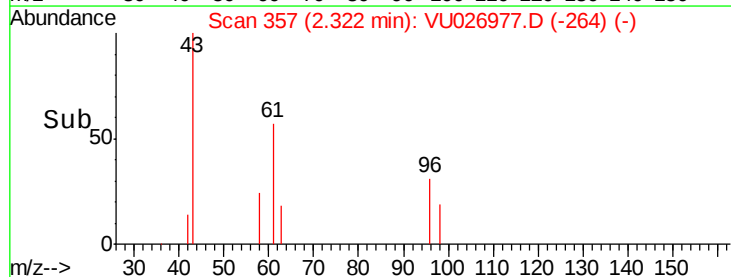
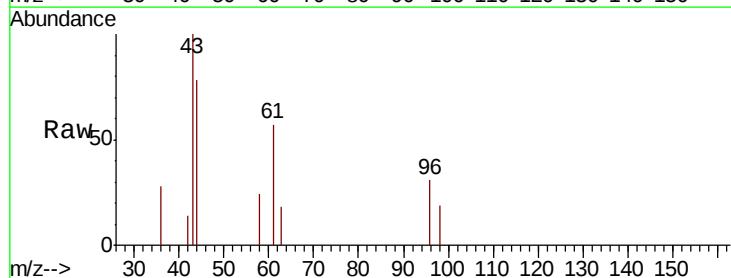
Acq: 21 Sep 2018 19:18

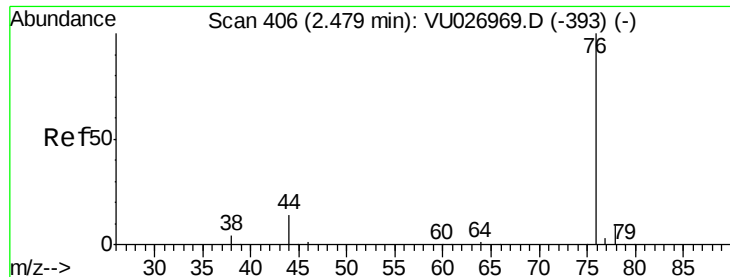
Tgt Ion: 43 Resp: 1792

Ion Ratio Lower Upper

43 100

58 24.2 24.6 36.8#





#17

Carbon Disulfide

Concen: 0.755 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

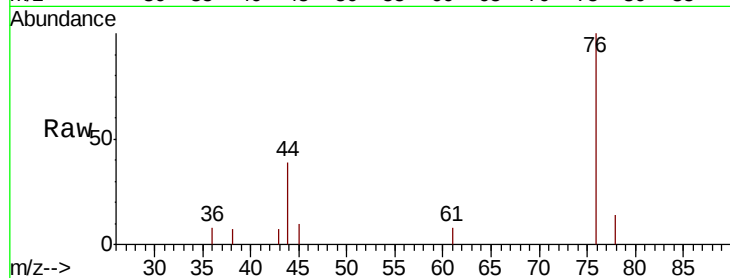
MW-1DL

Tgt Ion: 76 Resp: 2784

Ion Ratio Lower Upper

76 100

78 14.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

2.48

2000

1500

1000

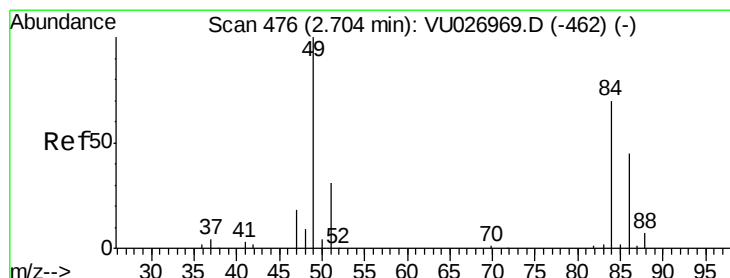
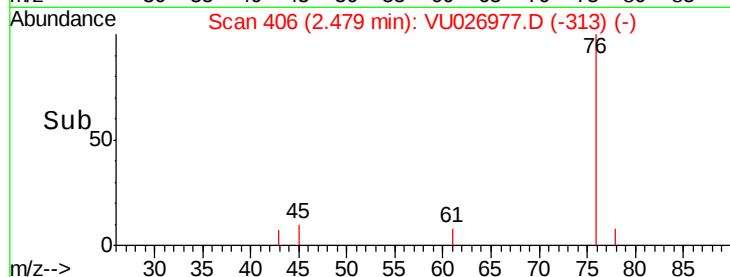
500

0

2.45

2.50

Time-->



#20

Methylene Chloride

Concen: 0.610 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Tgt Ion: 84 Resp: 901

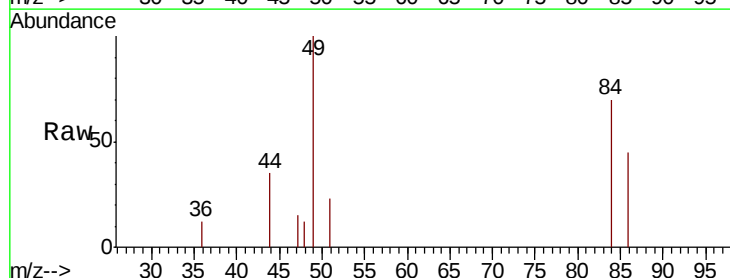
Ion Ratio Lower Upper

84 100

49 141.9 114.9 172.3

51 32.0 35.8 53.8#

86 64.2 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VU026969.D (-462) (-)

Ion 48.90 (48.60 to 49.60): VU026969.D (-462) (-)

Ion 50.90 (50.60 to 51.60): VU026969.D (-462) (-)

Ion 85.90 (85.60 to 86.60): VU026969.D (-462) (-)

2.70

1000

500

0

2.66

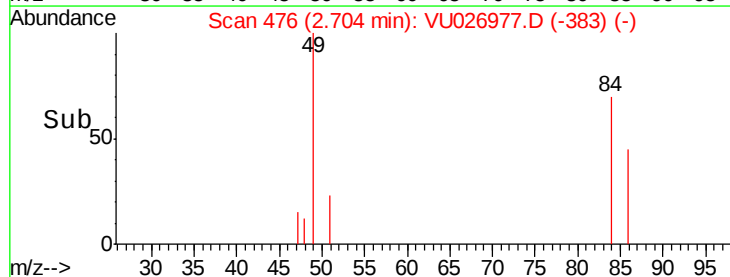
2.68

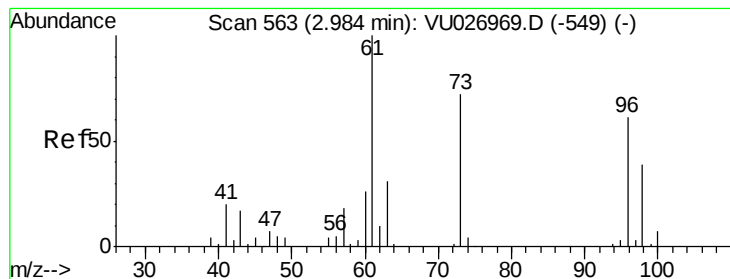
2.70

2.72

2.74

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.360 ug/l

RT: 2.99 min Scan# 566

Delta R.T. 0.01 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

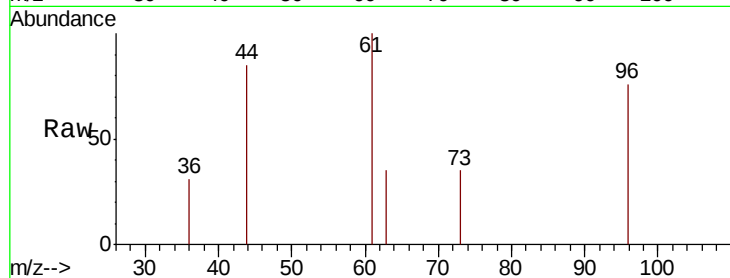
Tgt Ion: 96 Resp: 435

Ion Ratio Lower Upper

96 100

61 91.1 131.8 197.6#

98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

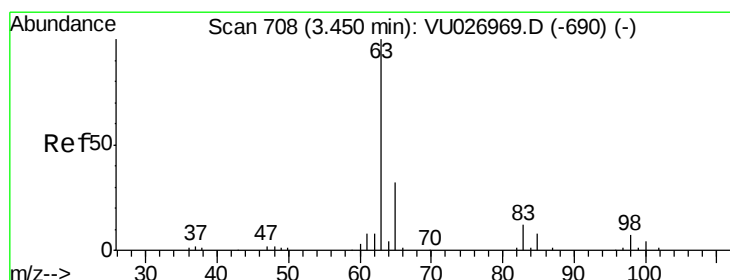
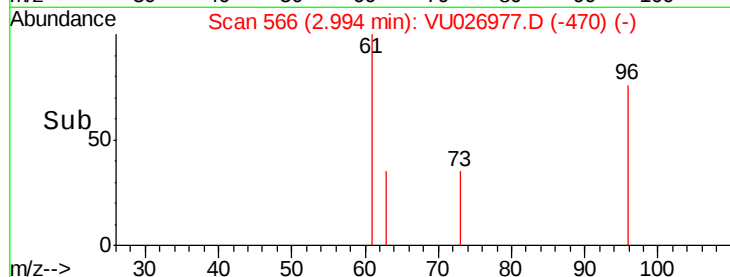
Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)

Time-->

2.96 2.98 3.00 3.02

2.99



#24

1,1-Dichloroethane

Concen: 6.914 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

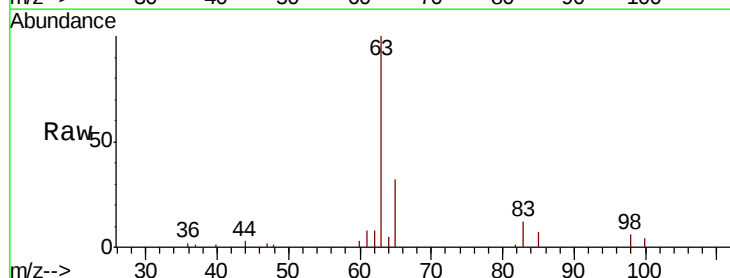
Tgt Ion: 63 Resp: 18692

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

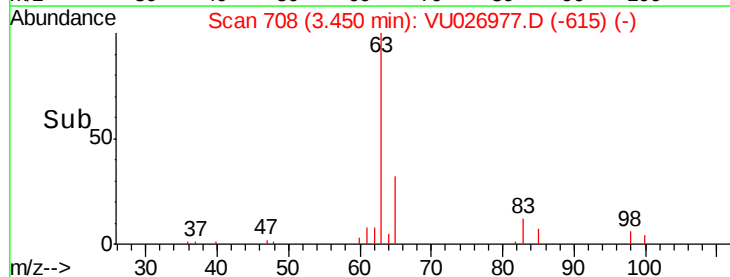
Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

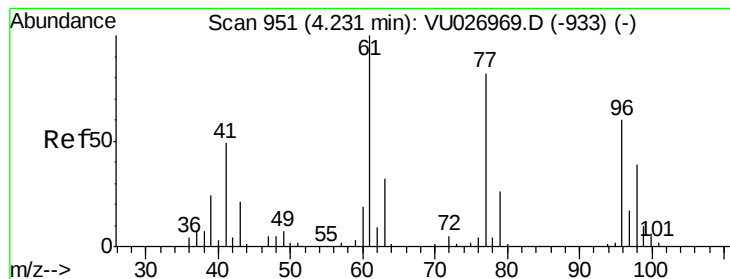
Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

Time-->

3.35 3.40 3.45 3.50 3.55

3.45



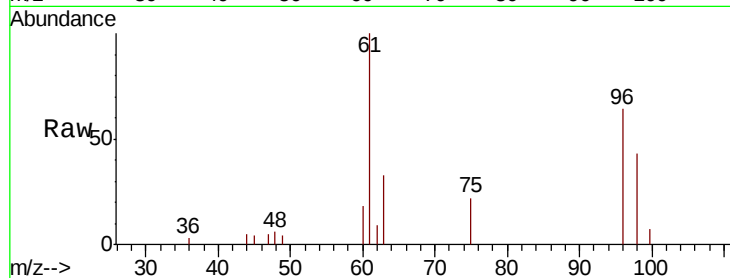


#27

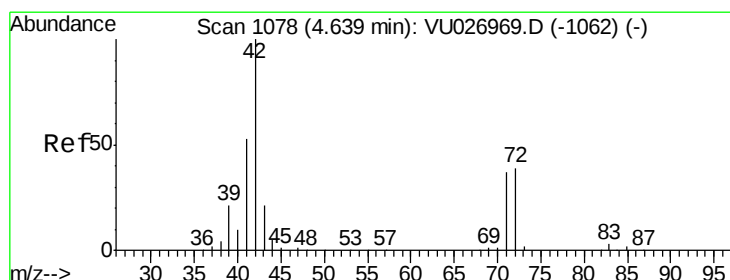
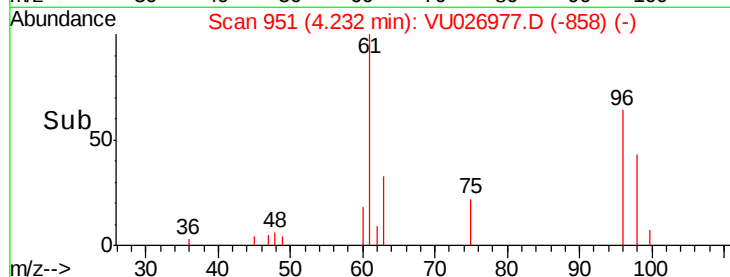
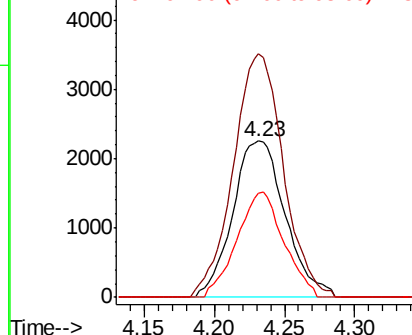
cis-1,2-Dichloroethene
Concen: 4.299 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Instrument :
MSVOA_U
ClientSampleId :
MW-1DL

Tgt Ion: 96 Resp: 5865
Ion Ratio Lower Upper
96 100
61 148.4 0.0 337.2
98 59.9 0.0 127.6



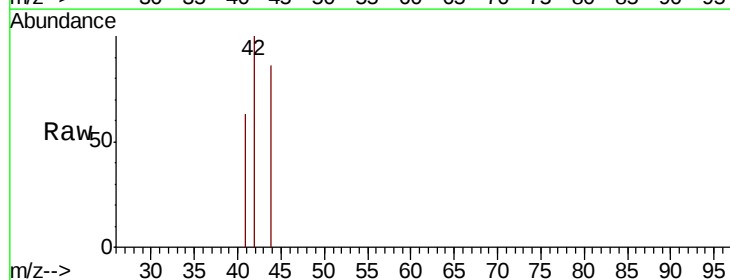
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



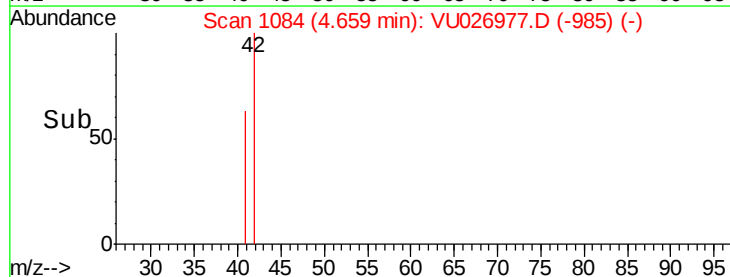
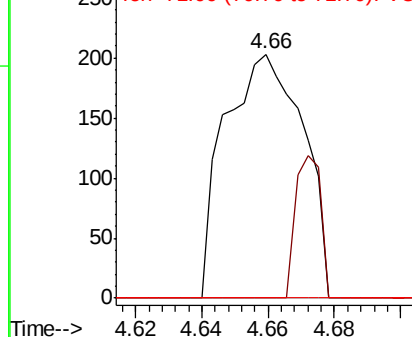
#29

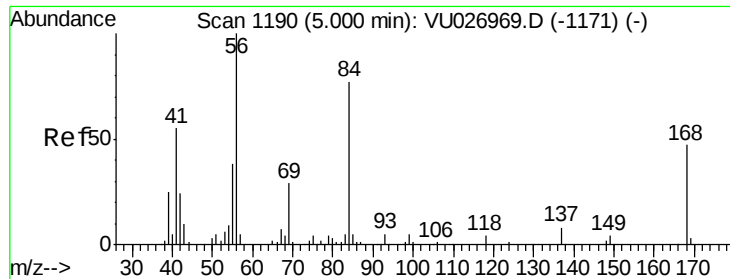
Tetrahydrofuran
Concen: 0.398 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Tgt Ion: 42 Resp: 334
Ion Ratio Lower Upper
42 100
72 19.2 31.7 47.5#
71 0.0 29.6 44.4#



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

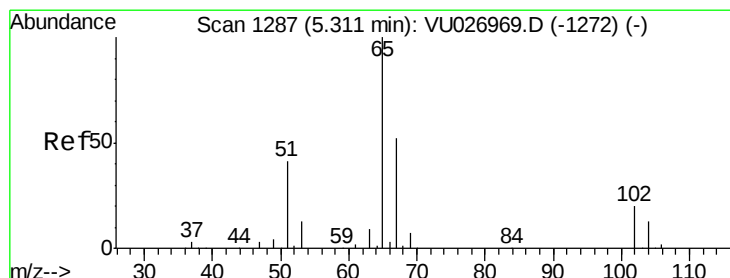
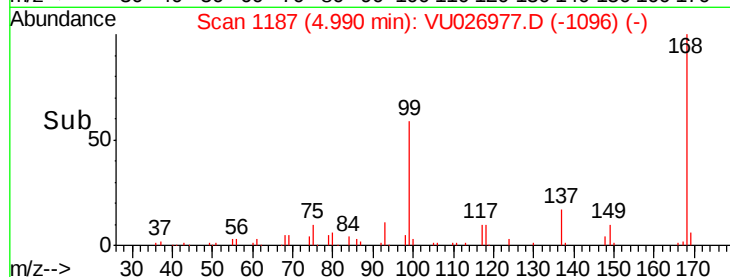
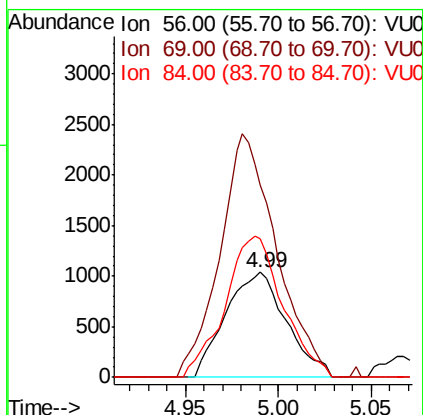
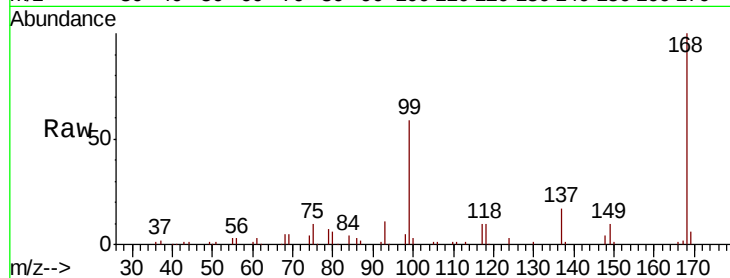




#31
Cyclohexane
Concen: 0.390 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

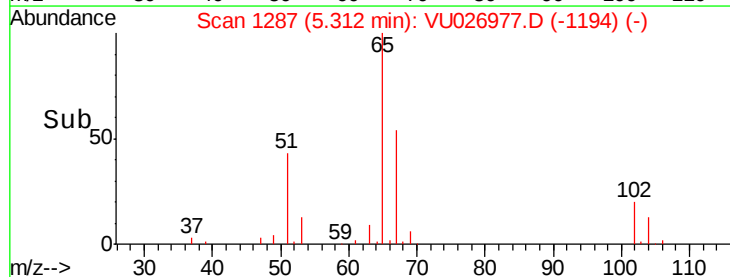
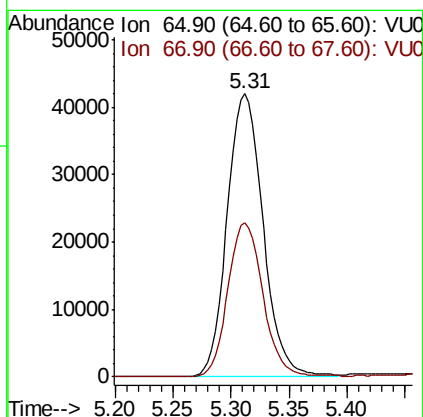
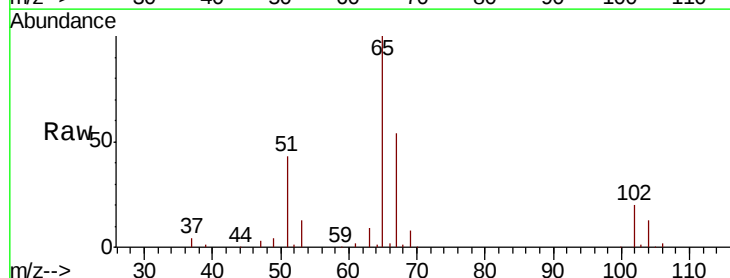
Instrument :
MSVOA_U
ClientSampleId :
MW-1DL

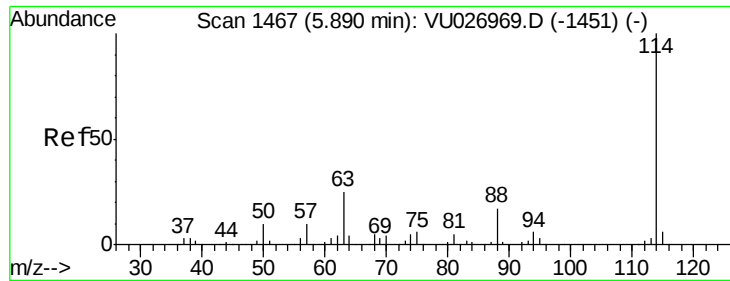
Tgt Ion: 56 Resp: 2361
Ion Ratio Lower Upper
56 100
69 183.9 23.0 34.4#
84 131.9 61.4 92.2#



#33
1,2-Dichloroethane-d4
Concen: 54.967 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Tgt Ion: 65 Resp: 90631
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6

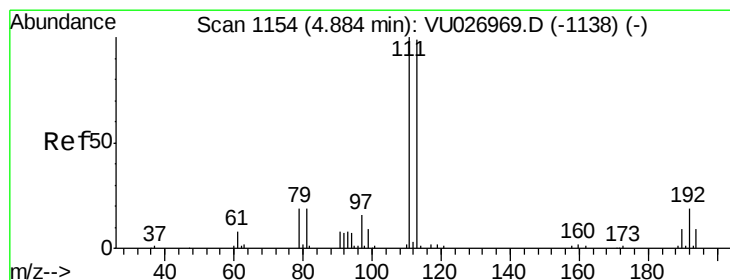
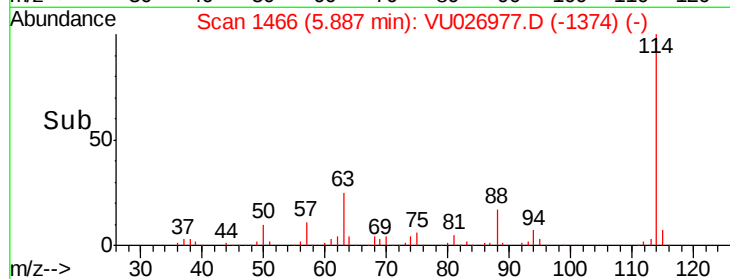
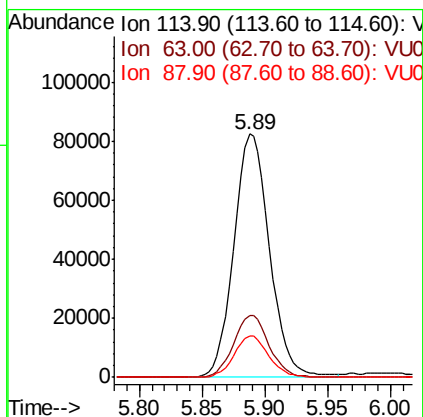
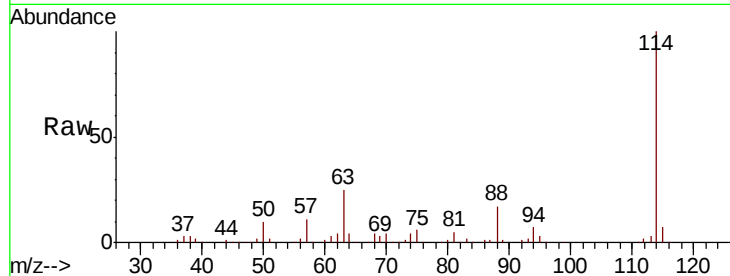




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

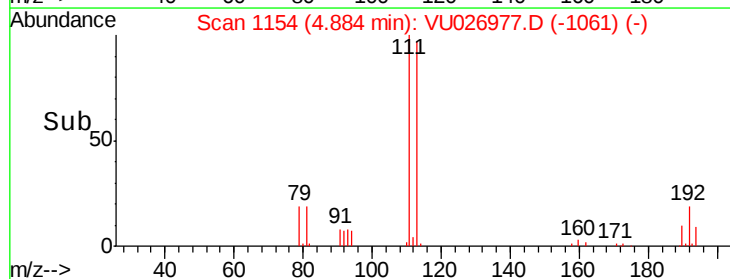
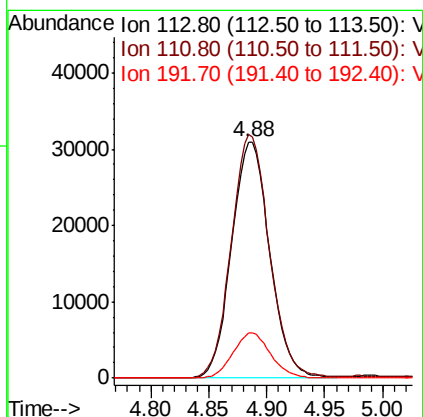
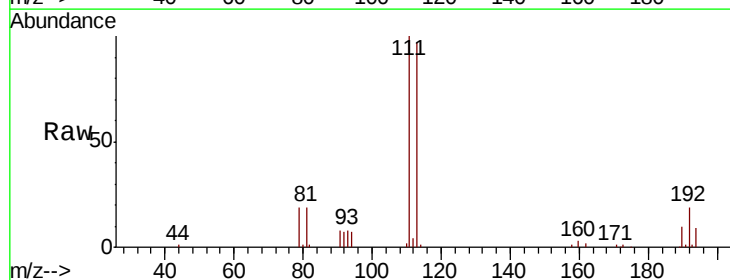
Instrument :
 MSVOA_U
 ClientSampled :
 MW-1DL

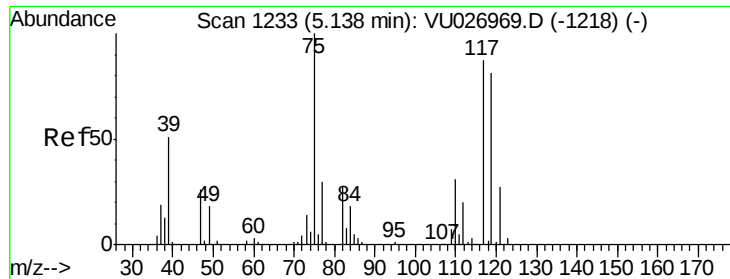
Tgt Ion:114 Resp: 163196
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 17.0 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 50.114 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

Tgt Ion:113 Resp: 70890
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 18.7 15.2 22.8

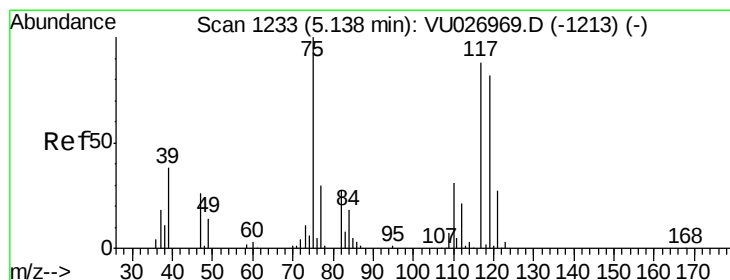
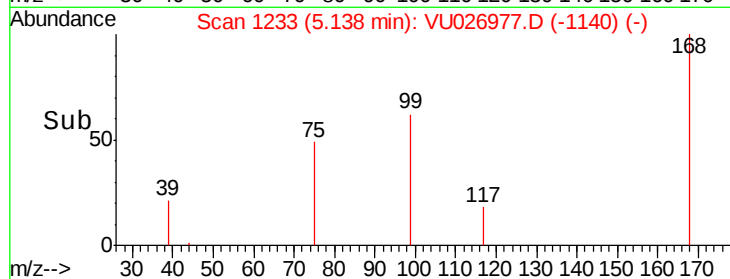
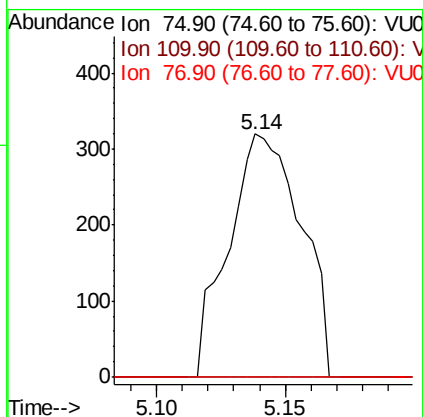
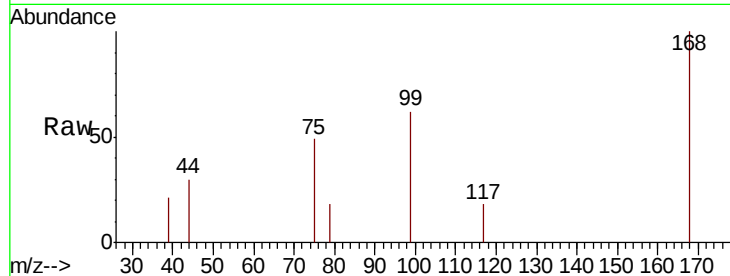




#36
 1,1-Dichloropropene
 Concen: 0.288 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

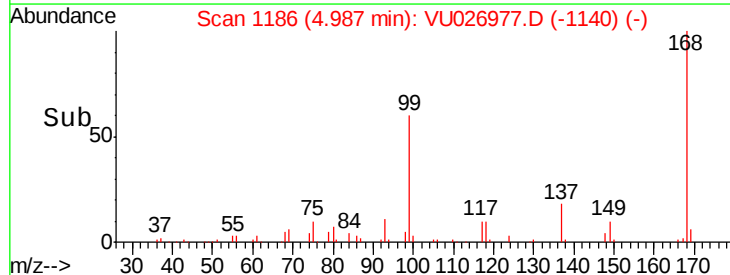
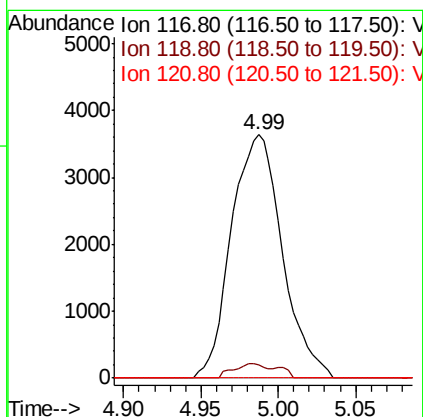
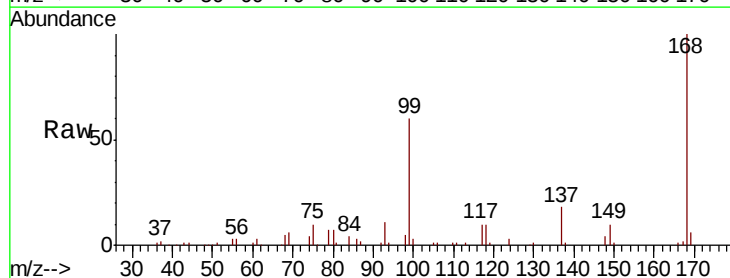
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1DL

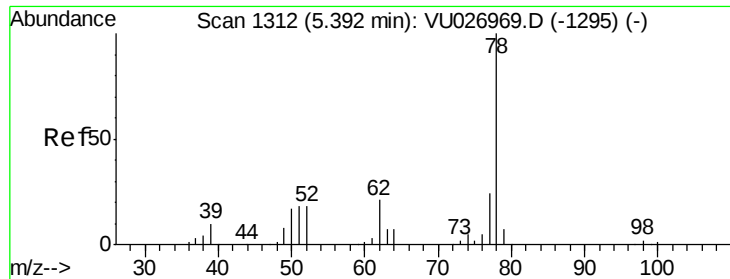
Tgt Ion: 75 Resp: 628
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.008 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

Tgt Ion: 117 Resp: 8307
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.4 111.6#
 121 0.0 24.2 36.4#





#40

Benzene

Concen: 0.225 ug/l

RT: 5.40 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

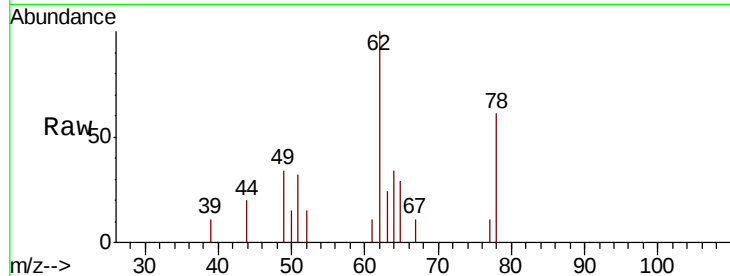
MW-1DL

Tgt Ion: 78 Resp: 1489

Ion Ratio Lower Upper

78 100

77 18.3 19.4 29.0#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.40

800

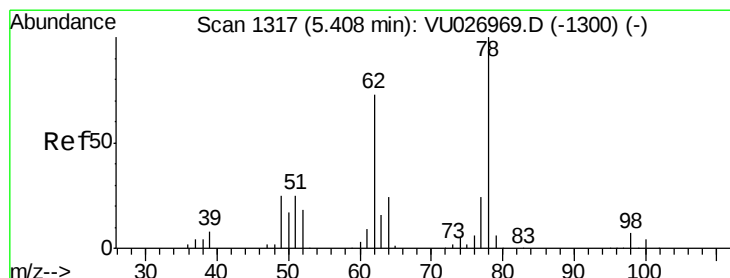
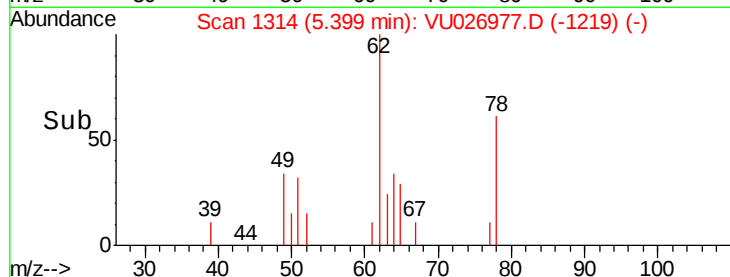
600

400

200

0

Time-->



#42

1,2-Dichloroethane

Concen: 1.511 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU026977.D

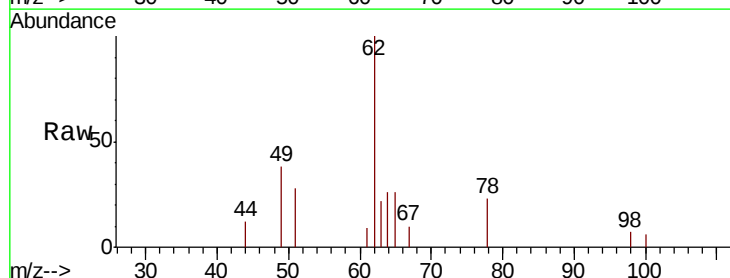
Acq: 21 Sep 2018 19:18

Tgt Ion: 62 Resp: 3781

Ion Ratio Lower Upper

62 100

98 2.6 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

5.41

2000

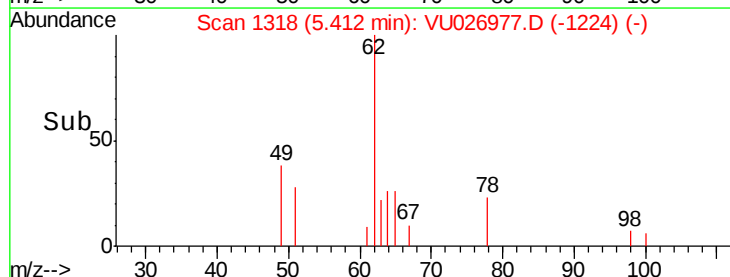
1500

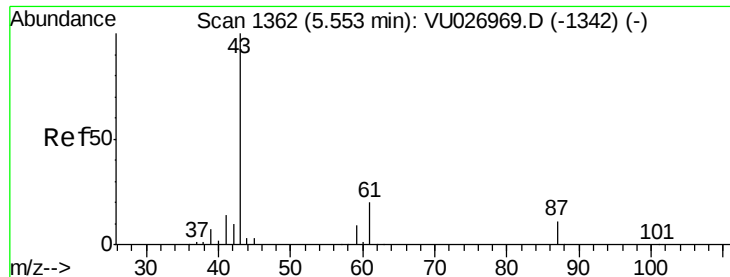
1000

500

0

Time-->





#43

Isopropyl Acetate

Concen: 2.607 ug/l

RT: 5.46 min Scan# 1332

Delta R.T. -0.10 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

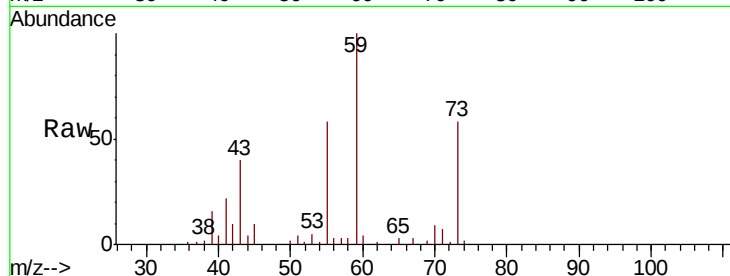
Tgt Ion: 43 Resp: 11209

Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

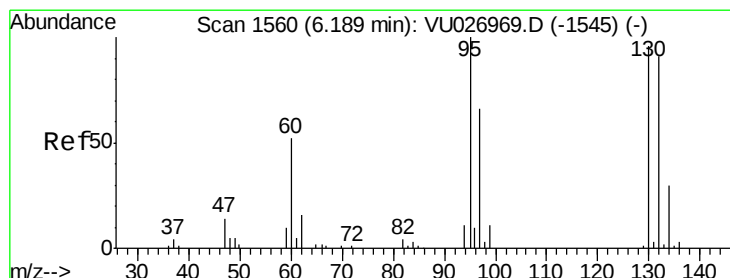
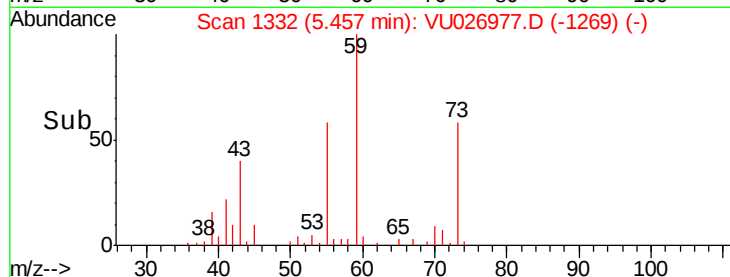
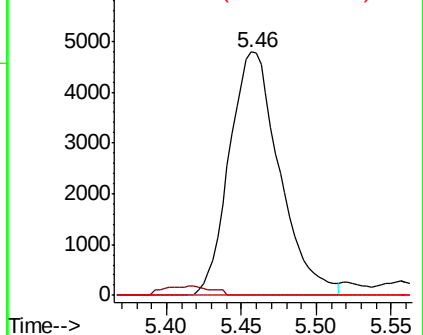
87 0.0 9.0 13.4#



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: 0.440 ug/l

RT: 6.20 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VU026977.D

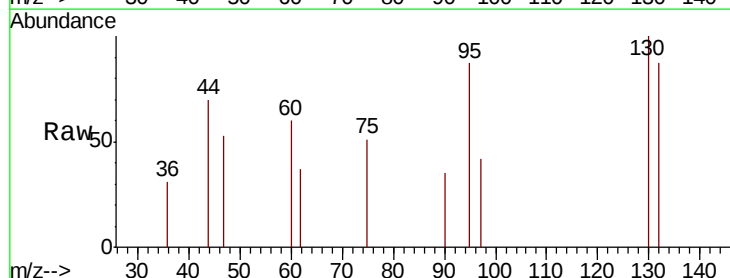
Acq: 21 Sep 2018 19:18

Tgt Ion: 130 Resp: 620

Ion Ratio Lower Upper

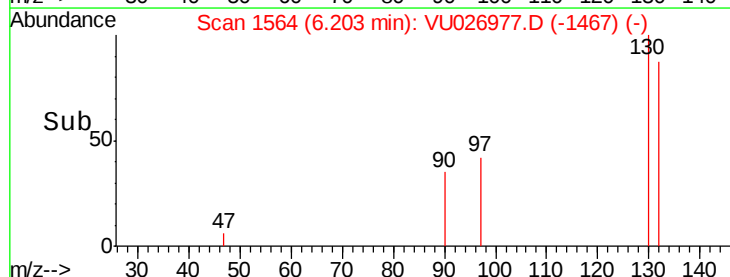
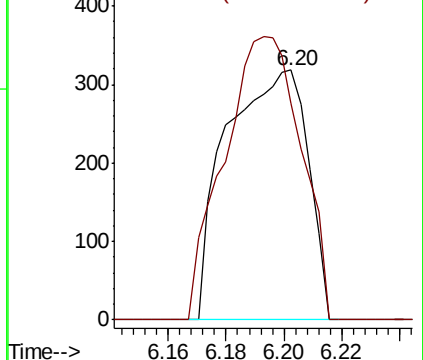
130 100

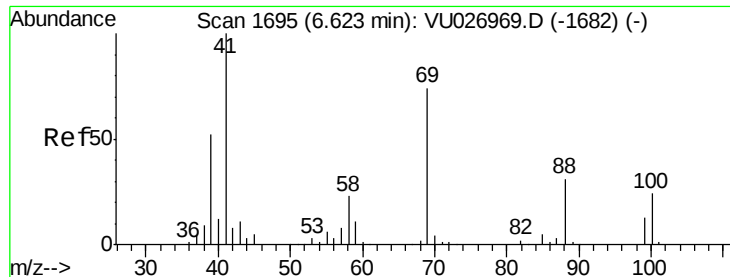
95 86.8 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

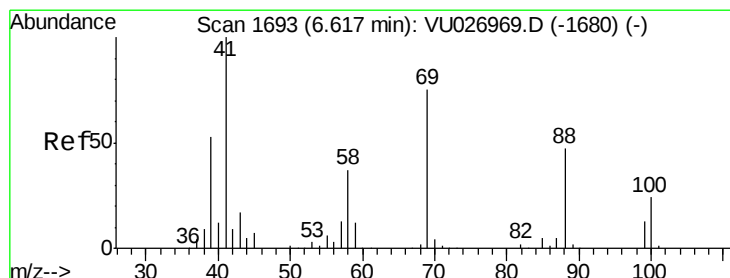
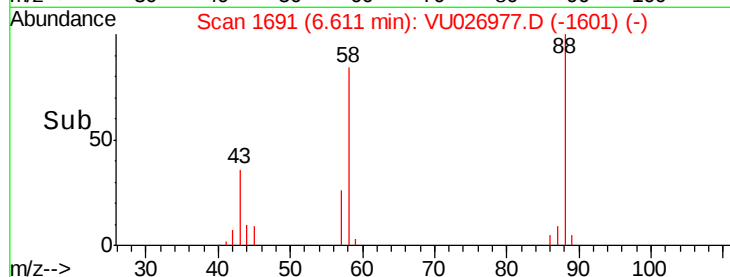
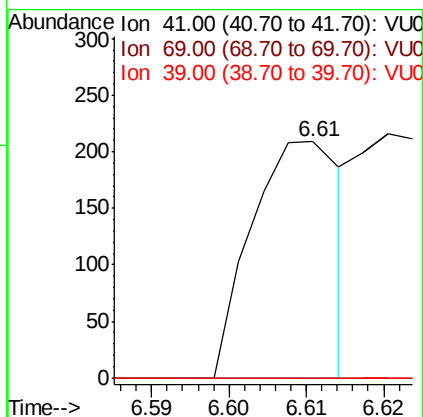
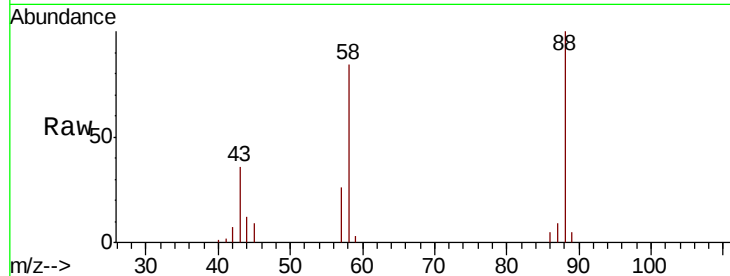




#48
Methyl methacrylate
Concen: 1.082 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

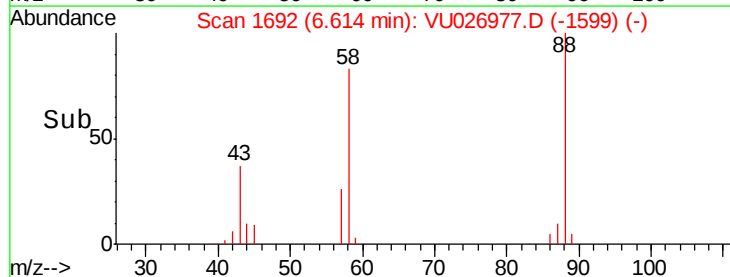
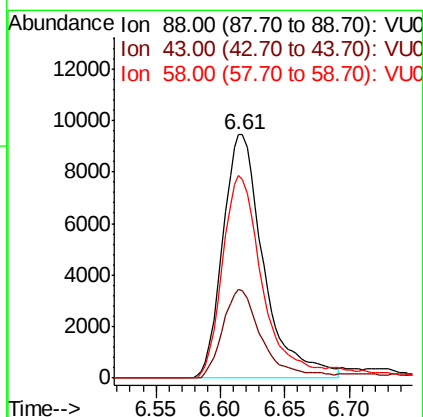
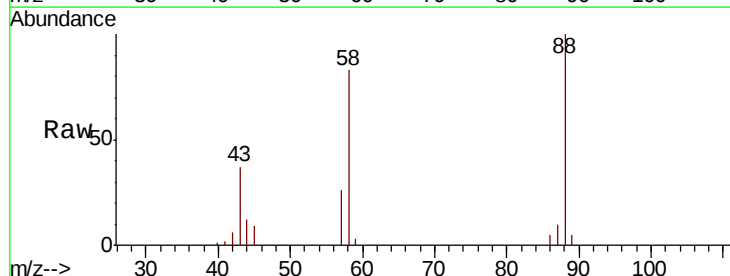
Instrument :
MSVOA_U
ClientSampleId :
MW-1DL

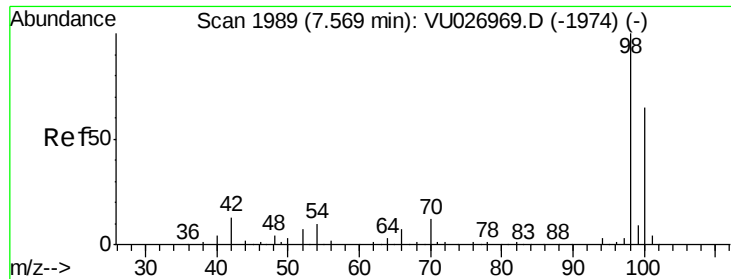
Tgt Ion: 41 Resp: 168
Ion Ratio Lower Upper
41 100
69 0.0 60.6 90.8#
39 0.0 42.8 64.2#



#49
1,4-Dioxane
Concen: 447.457 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Tgt Ion: 88 Resp: 20842
Ion Ratio Lower Upper
88 100
43 34.8 29.8 44.8
58 80.5 63.9 95.9





#50

Toluene-d8

Concen: 46.816 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

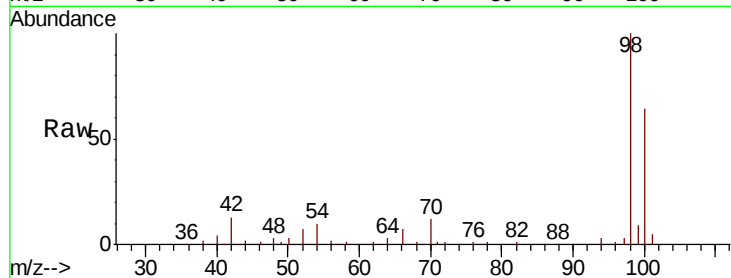
MW-1DL

Tgt Ion: 98 Resp: 252385

Ion Ratio Lower Upper

98 100

100 66.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

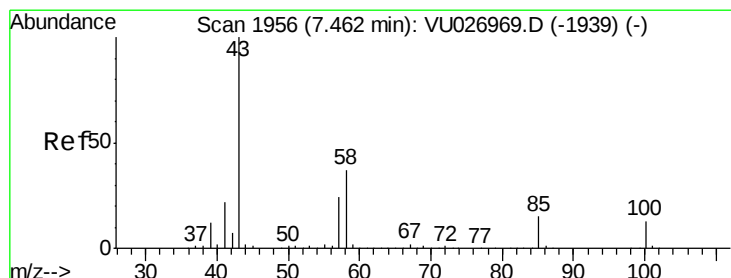
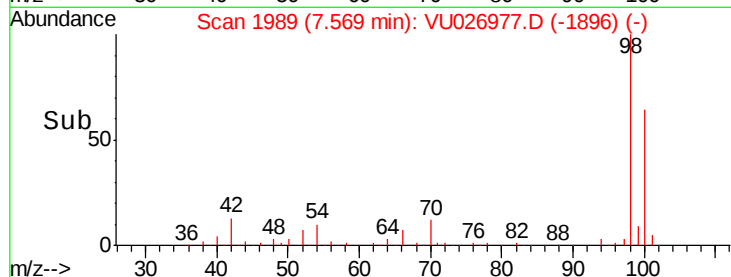
100000

50000

0

7.50 7.55 7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.323 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU026977.D

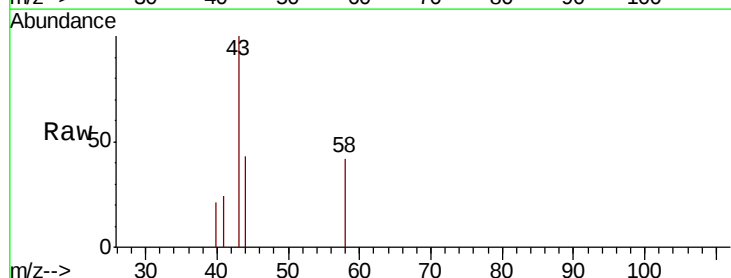
Acq: 21 Sep 2018 19:18

Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

43 100

58 34.1 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.47

600

500

400

300

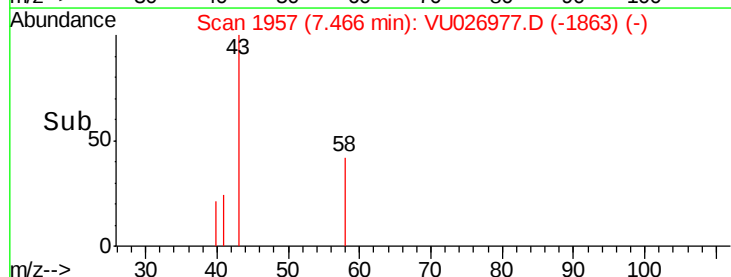
200

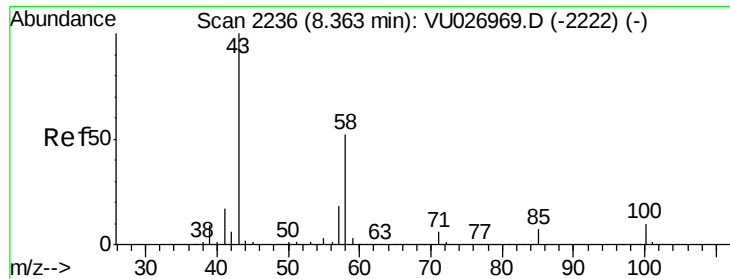
100

0

7.45 7.50

Time-->





#59

2-Hexanone

Concen: 1.085 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

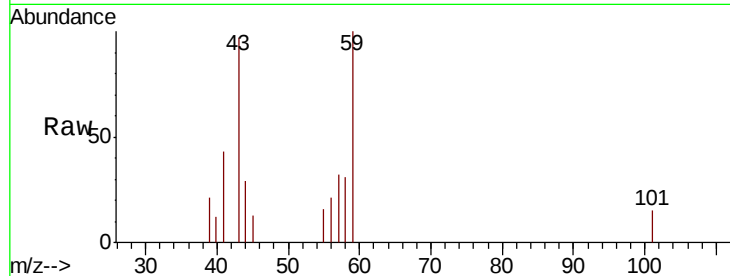
MW-1DL

Tgt Ion: 43 Resp: 2457

Ion Ratio Lower Upper

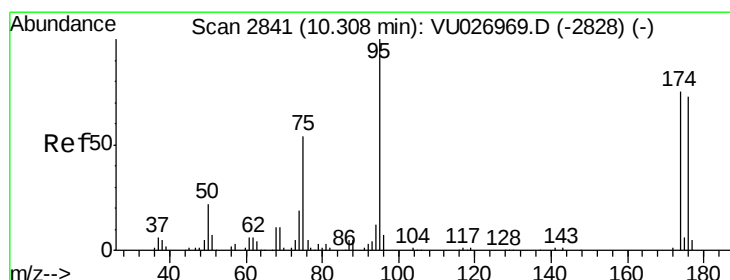
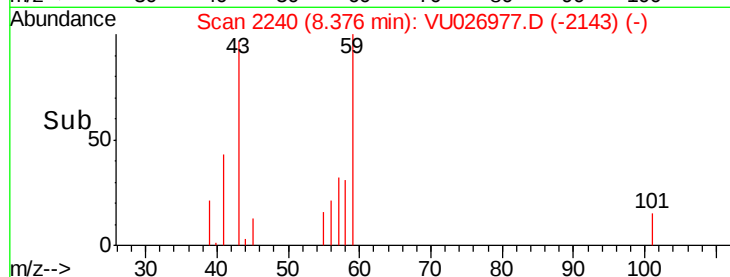
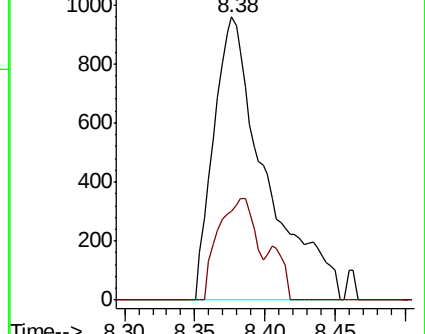
43 100

58 25.8 26.1 78.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 48.300 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

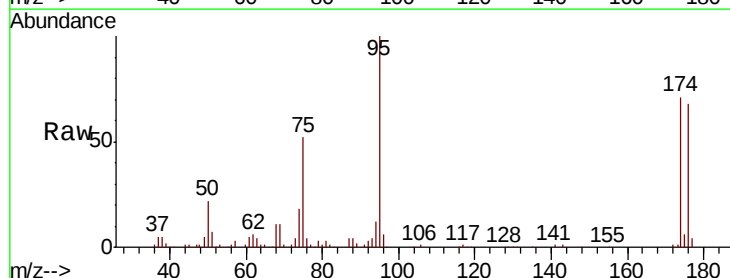
Tgt Ion: 95 Resp: 89348

Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.2

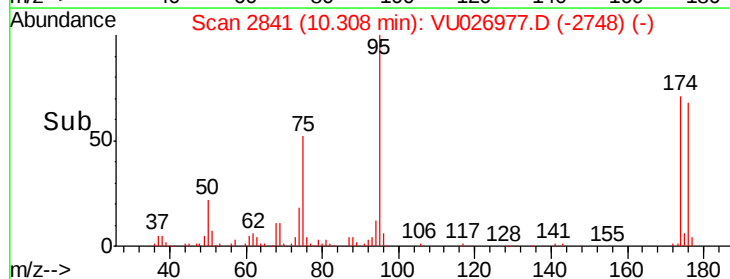
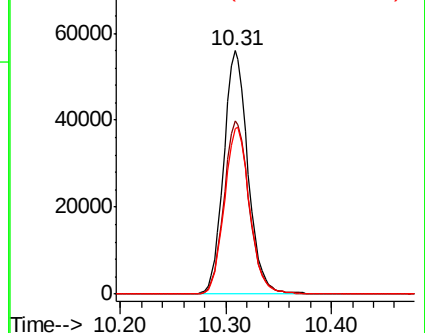
176 70.9 0.0 145.2

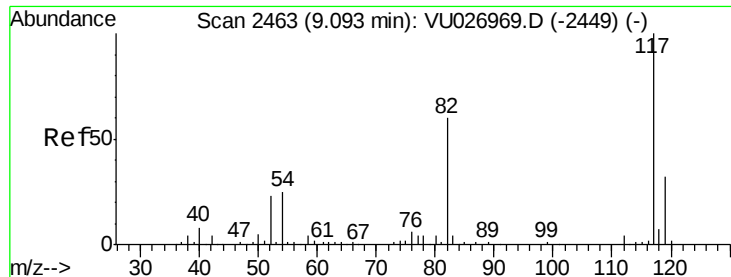


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

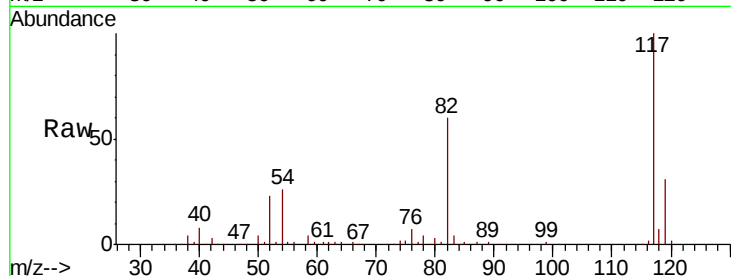




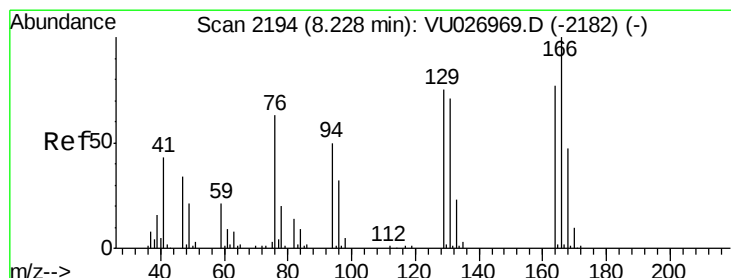
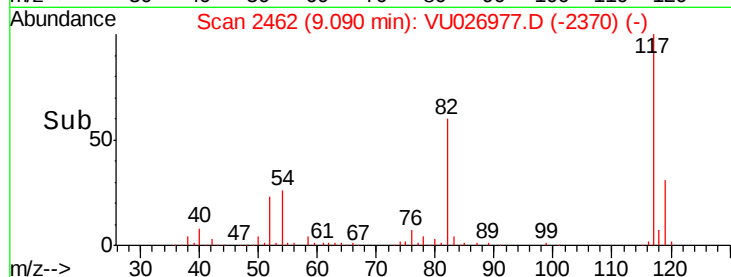
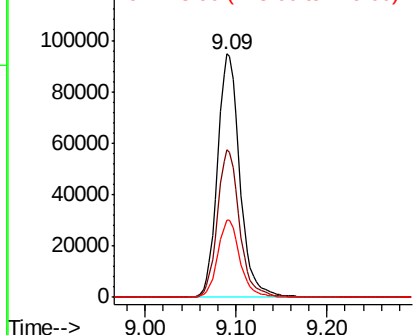
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Instrument :
MSVOA_U
ClientSampleId :
MW-1DL

Tgt Ion:117 Resp: 161701
Ion Ratio Lower Upper
117 100
82 60.5 48.0 72.0
119 31.5 25.8 38.8

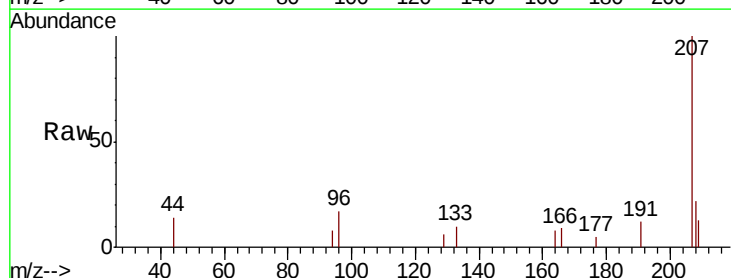


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

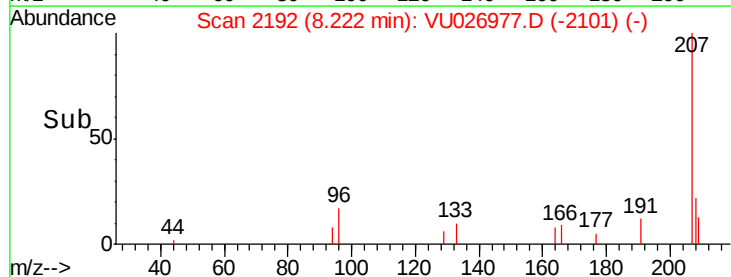
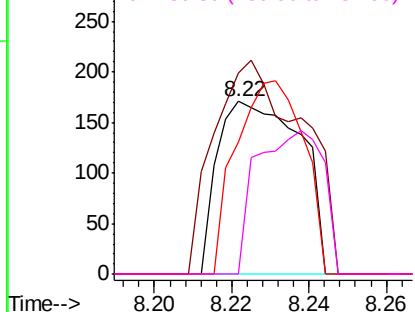


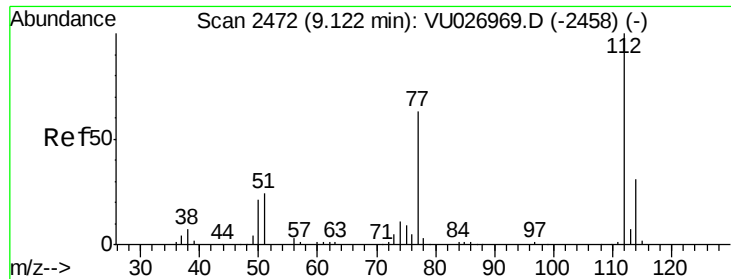
#64
Tetrachloroethene
Concen: 0.205 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.01 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Tgt Ion:164 Resp: 255
Ion Ratio Lower Upper
164 100
166 116.4 104.4 156.6
129 76.6 78.7 118.1#
131 0.0 73.9 110.9#



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

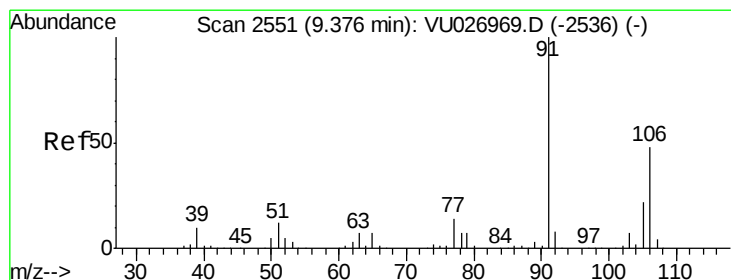
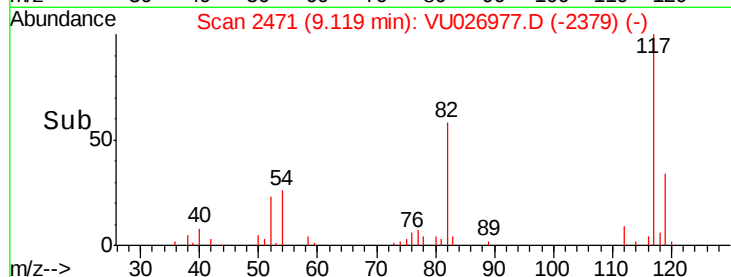
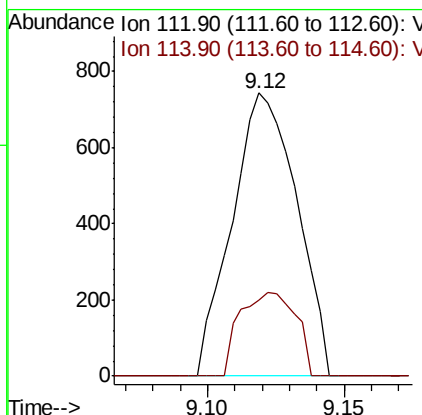
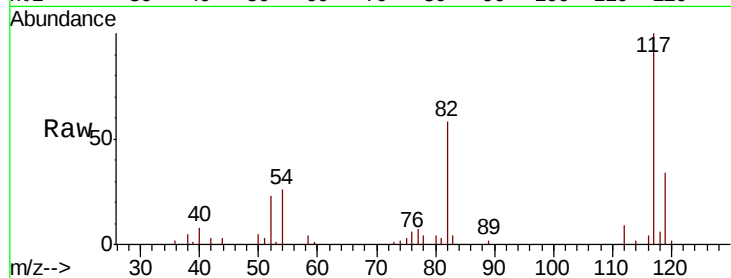




#65
Chlorobenzene
Concen: 0.286 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

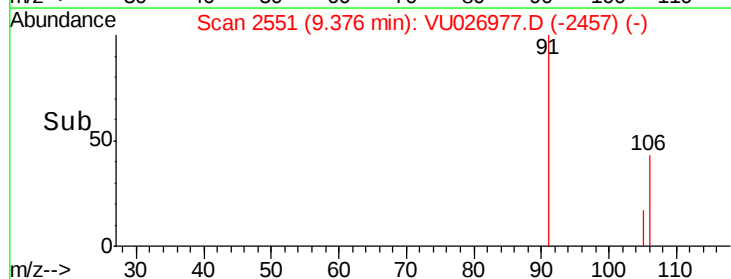
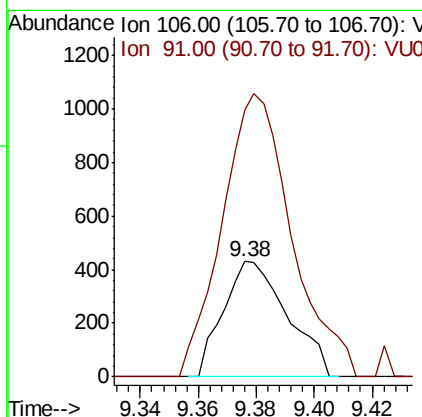
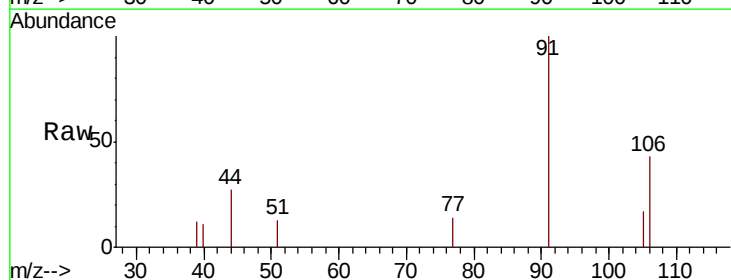
Instrument :
MSVOA_U
ClientSampled :
MW-1DL

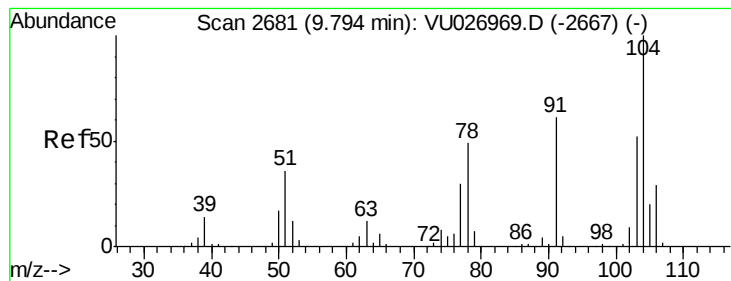
Tgt Ion:112 Resp: 1227
Ion Ratio Lower Upper
112 100
114 27.1 25.0 37.6



#68
m/p-Xylenes
Concen: 1.729 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Tgt Ion:106 Resp: 661
Ion Ratio Lower Upper
106 100
91 266.6 166.5 249.7#





#70

Styrene

Concen: 1.949 ug/l

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampled :

MW-1DL

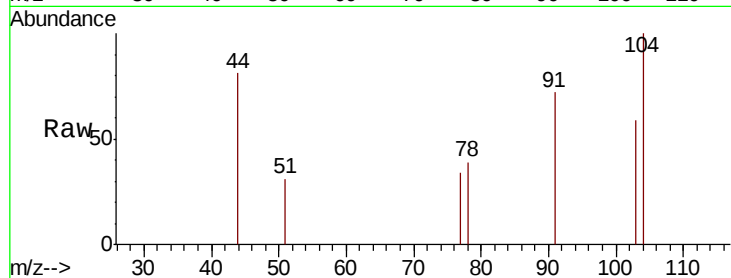
Tgt Ion:104 Resp: 675

Ion Ratio Lower Upper

104 100

78 40.1 43.0 64.4#

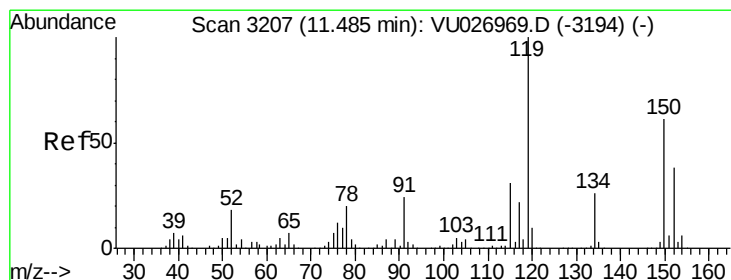
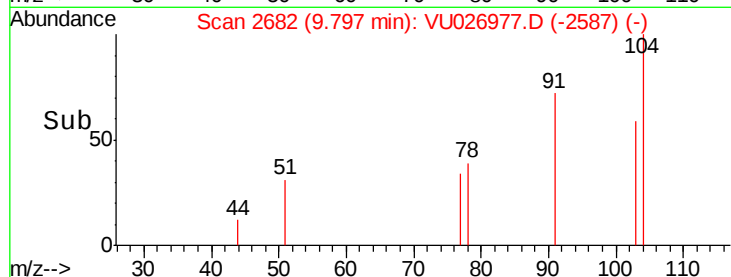
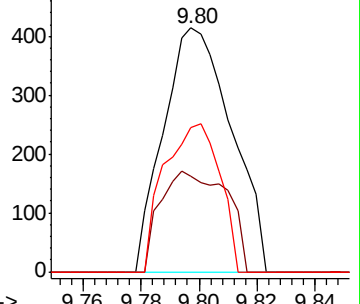
103 49.5 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

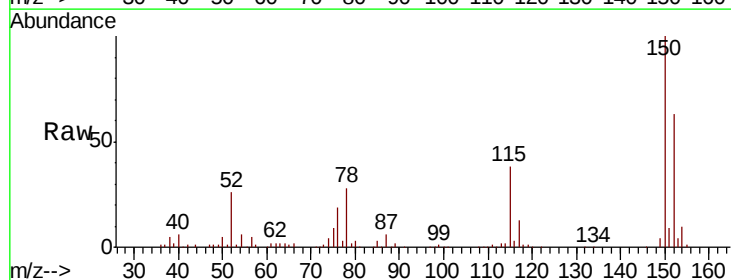
Tgt Ion:152 Resp: 76425

Ion Ratio Lower Upper

152 100

115 61.0 44.9 134.5

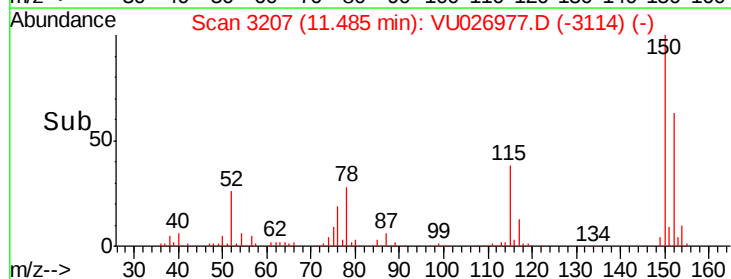
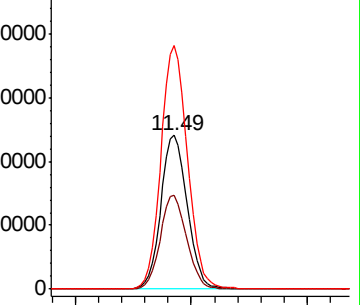
150 158.2 0.0 355.8

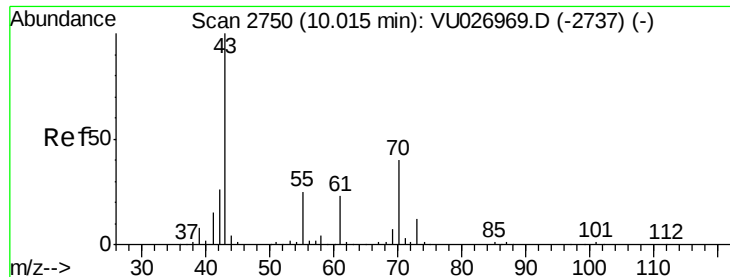


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.214 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

Tgt Ion: 43 Resp: 720

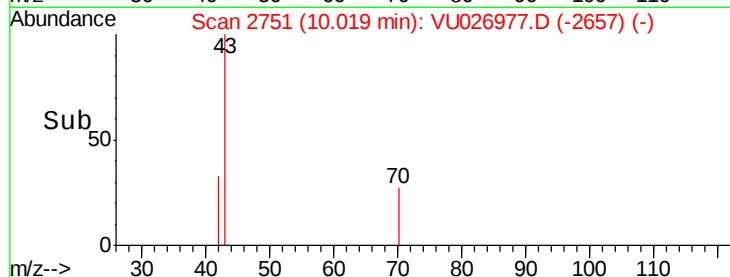
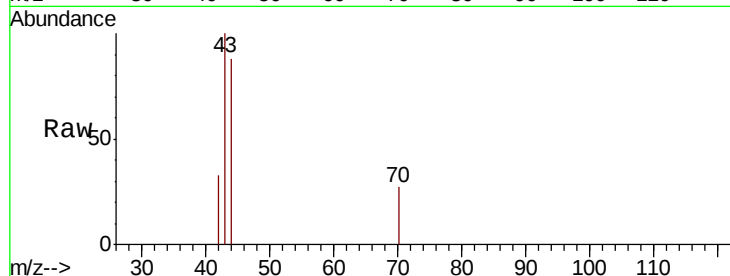
Ion Ratio Lower Upper

43 100

70 12.1 31.8 47.8#

55 2.6 19.9 29.9#

61 0.0 18.4 27.6#

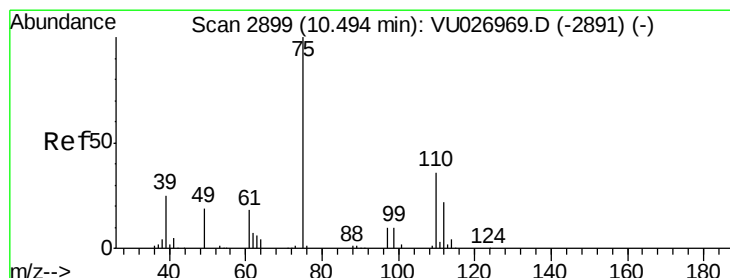
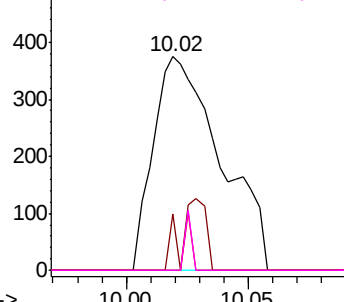


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#76

1,2,3-Trichloropropane

Concen: 20.438 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026977.D

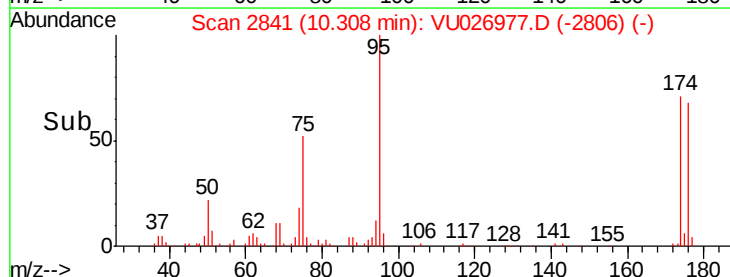
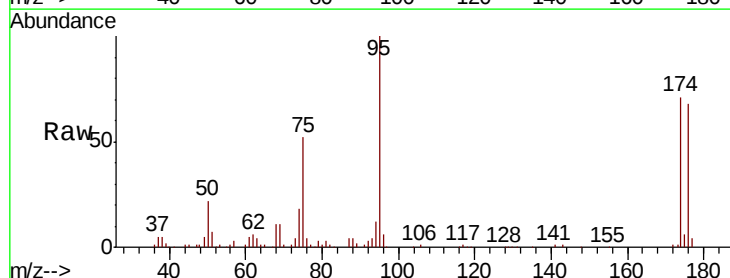
Acq: 21 Sep 2018 19:18

Tgt Ion: 75 Resp: 47453

Ion Ratio Lower Upper

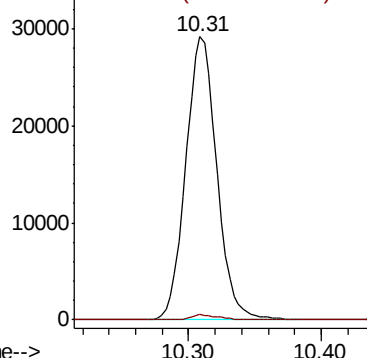
75 100

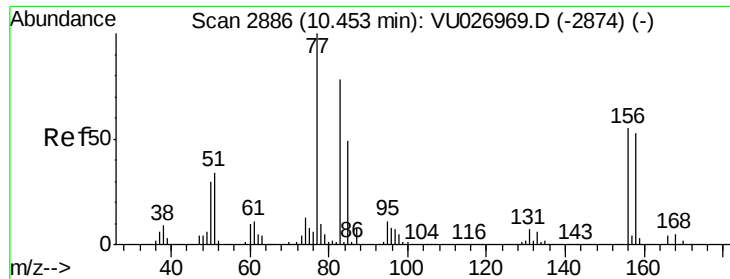
77 1.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 0.272 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

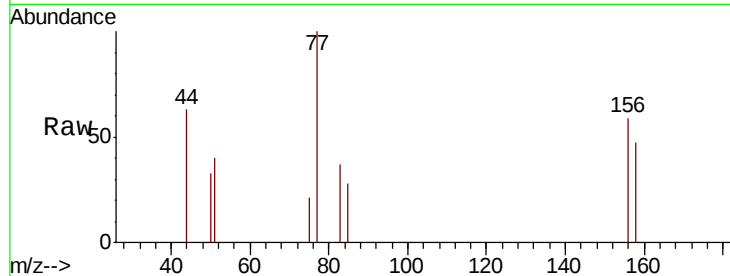
Tgt Ion:156 Resp: 386

Ion Ratio Lower Upper

156 100

77 226.9 92.3 276.9

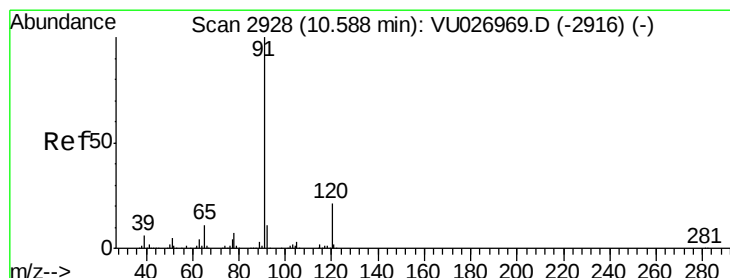
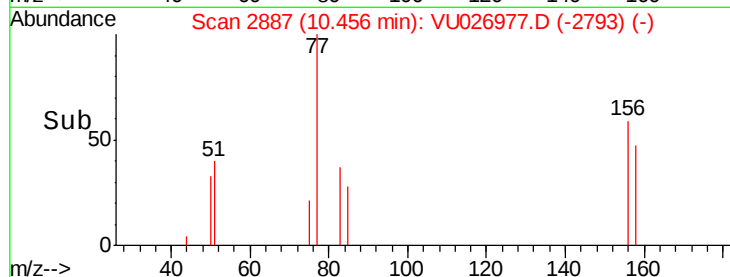
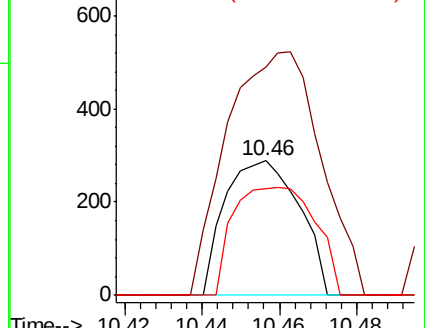
158 87.8 48.1 144.3



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: 0.246 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026977.D

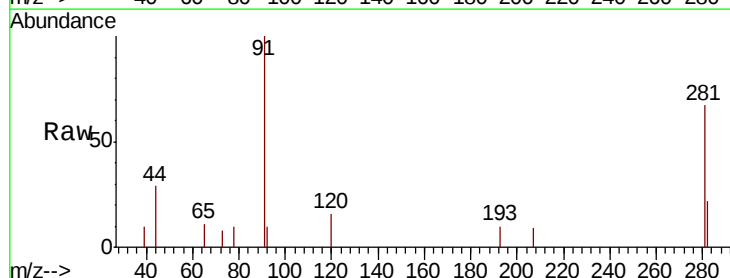
Acq: 21 Sep 2018 19:18

Tgt Ion: 91 Resp: 1694

Ion Ratio Lower Upper

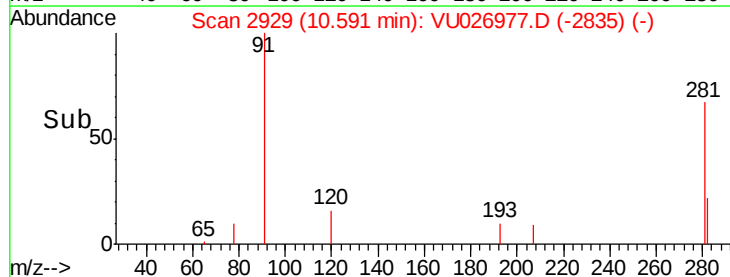
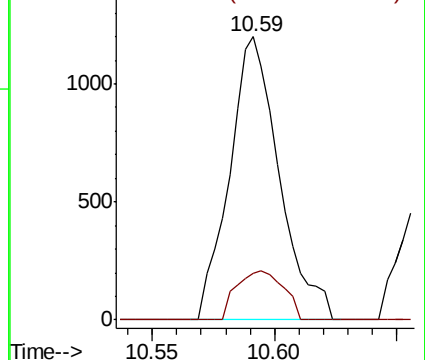
91 100

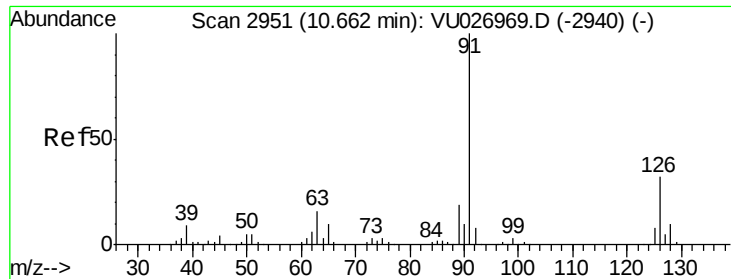
120 16.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

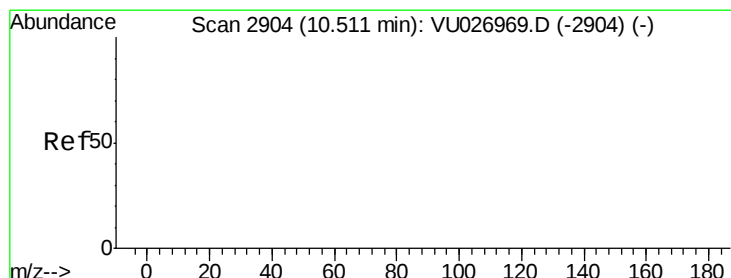
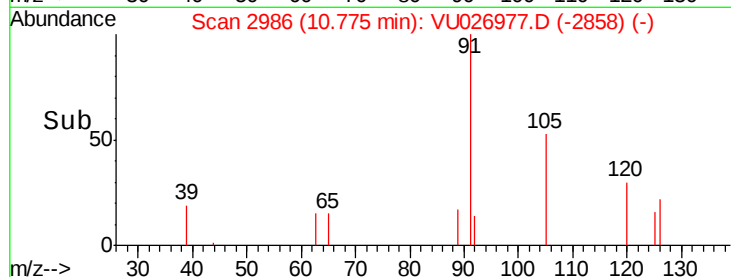
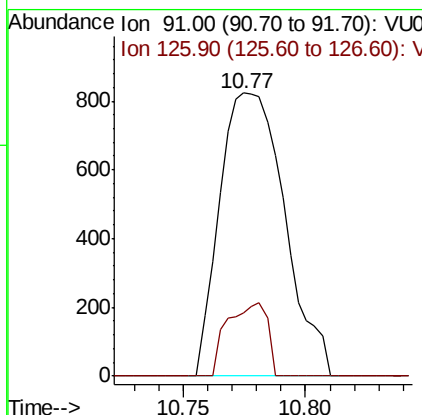
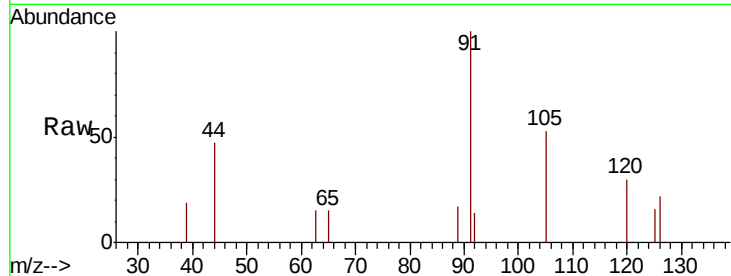




#79
 2-Chlorotoluene
 Concen: 0.353 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.11 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

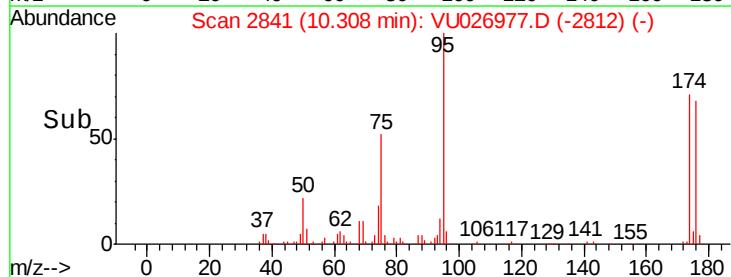
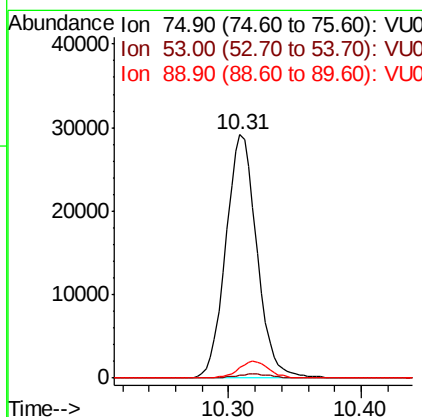
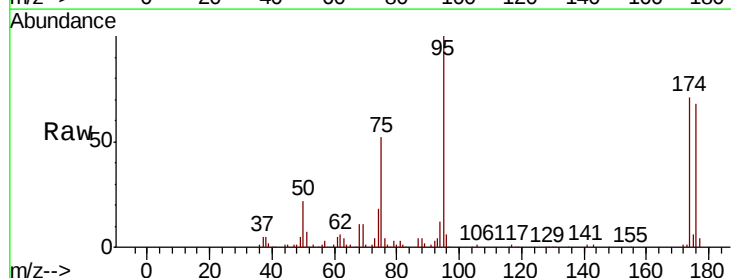
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1DL

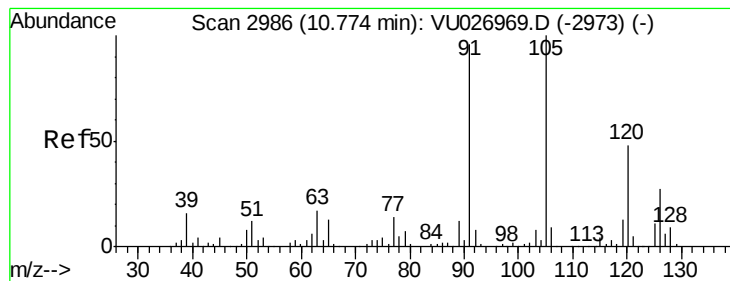
Tgt Ion: 91 Resp: 1524
 Ion Ratio Lower Upper
 91 100
 126 15.8 15.8 47.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.406 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

Tgt Ion: 75 Resp: 47453
 Ion Ratio Lower Upper
 75 100
 53 1.7 0.0 0.0#
 89 6.7 0.0 0.0#





#82

4-Chlorotoluene

Concen: 0.315 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

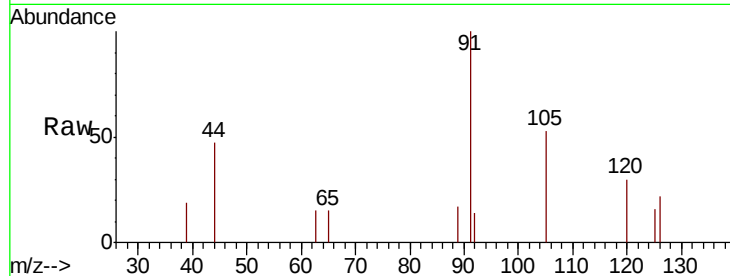
MW-1DL

Tgt Ion: 91 Resp: 1524

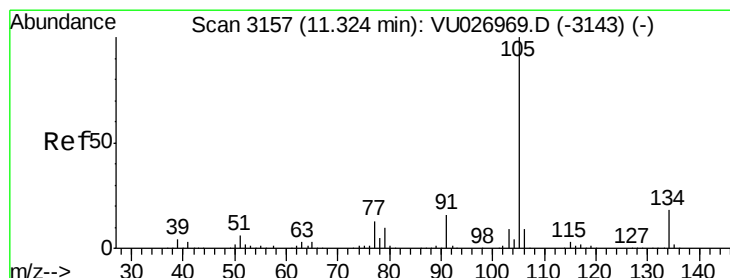
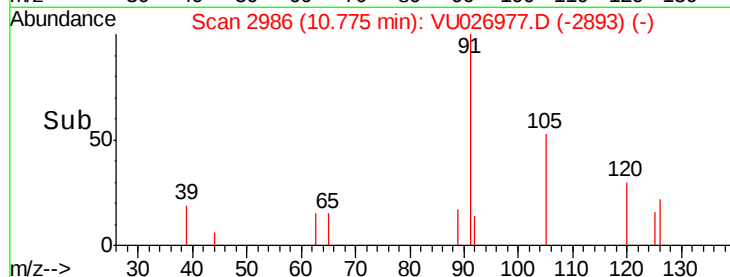
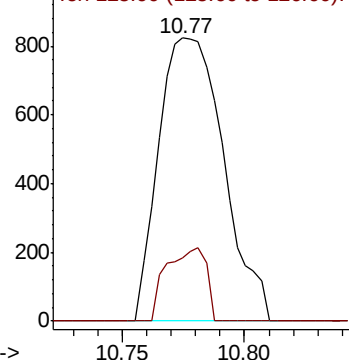
Ion Ratio Lower Upper

91 100

126 15.8 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2973) (-)



#85

sec-Butylbenzene

Concen: 0.223 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU026977.D

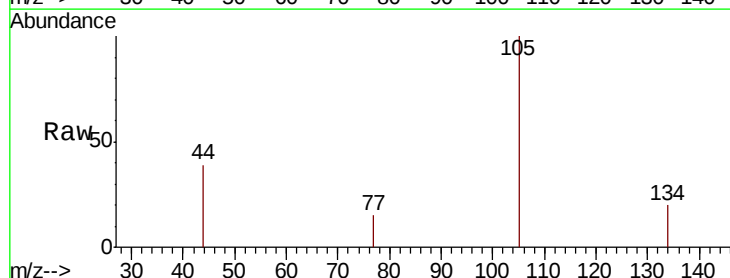
Acq: 21 Sep 2018 19:18

Tgt Ion: 105 Resp: 1292

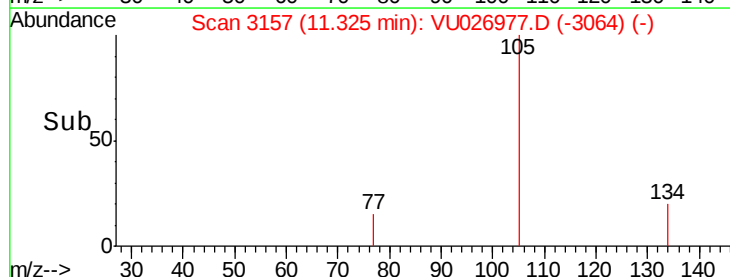
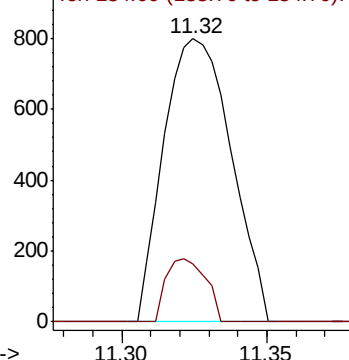
Ion Ratio Lower Upper

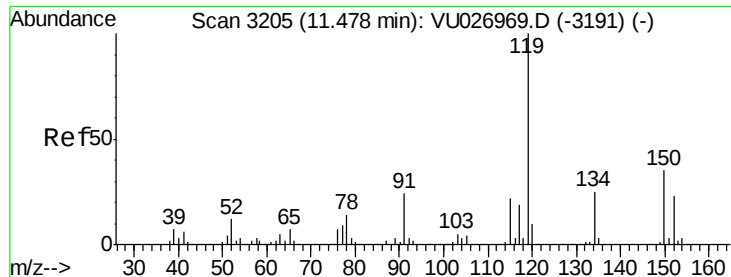
105 100

134 12.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-3143) (-)





#86

p-Isopropyltoluene

Concen: 1.128 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampled :

MW-1DL

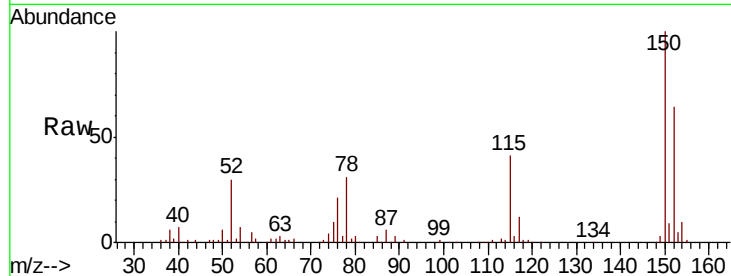
Tgt Ion:119 Resp: 1109

Ion Ratio Lower Upper

119 100

134 22.7 12.8 38.3

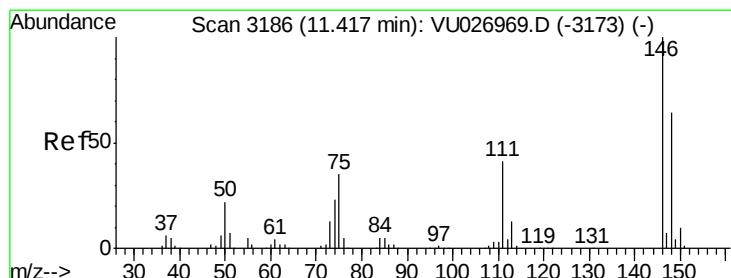
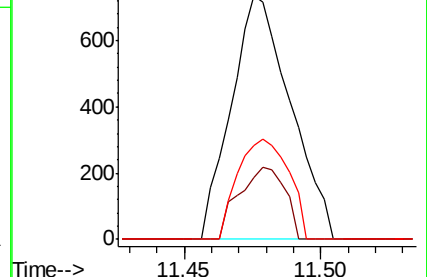
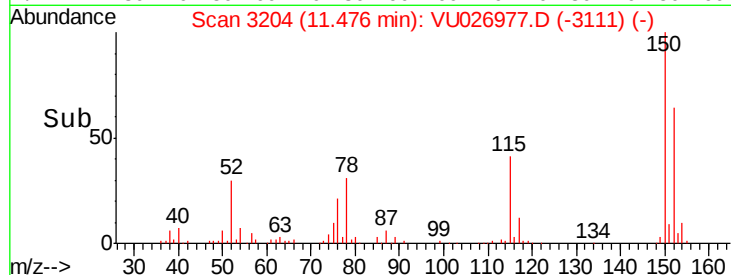
91 35.3 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#87

1,3-Dichlorobenzene

Concen: 0.480 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

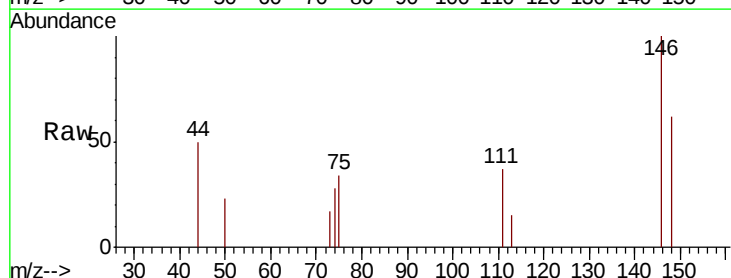
Tgt Ion:146 Resp: 1268

Ion Ratio Lower Upper

146 100

111 36.0 20.8 62.2

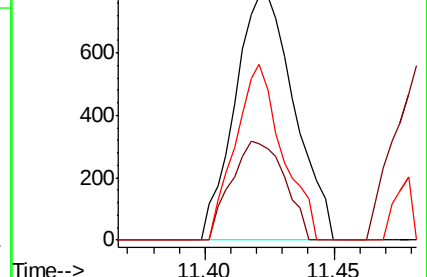
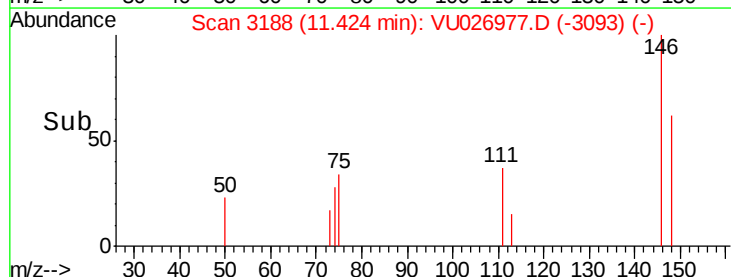
148 56.4 32.0 96.2

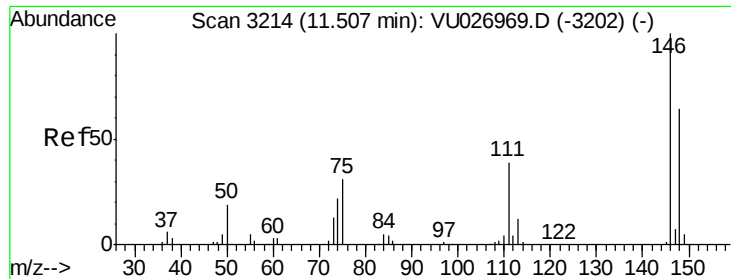


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.440 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. -0.08 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

MW-1DL

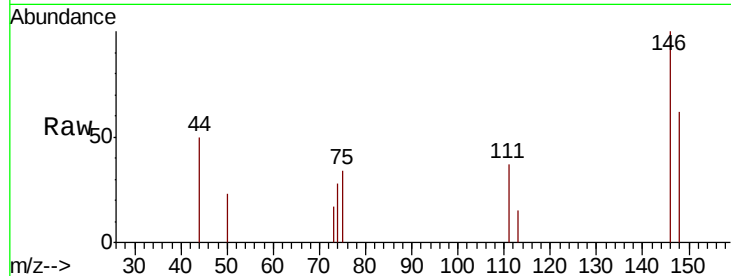
Tgt Ion:146 Resp: 1268

Ion Ratio Lower Upper

146 100

111 36.0 20.3 60.9

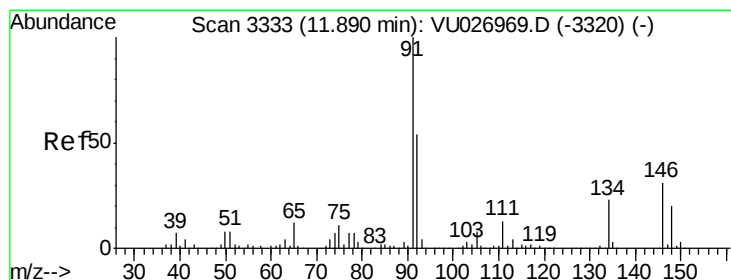
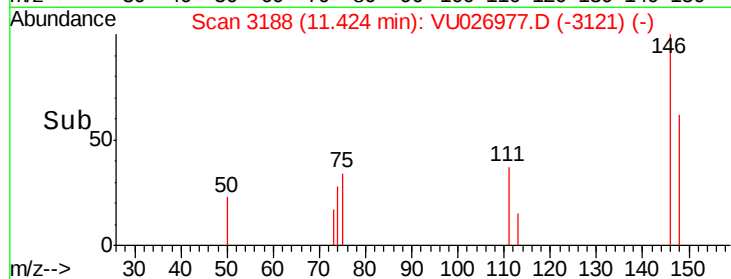
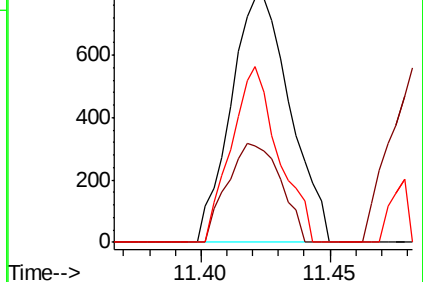
148 56.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.711 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU026977.D

Acq: 21 Sep 2018 19:18

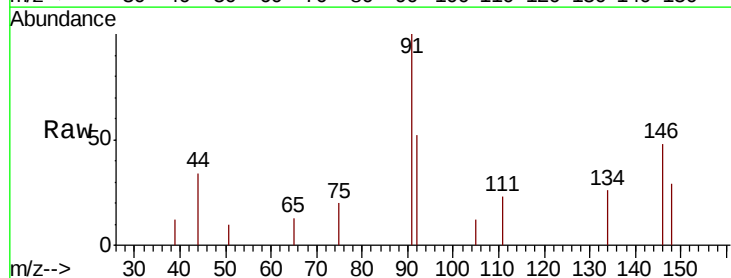
Tgt Ion: 91 Resp: 1764

Ion Ratio Lower Upper

91 100

92 48.6 27.1 81.2

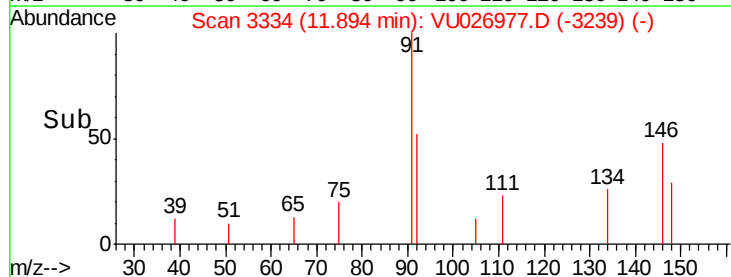
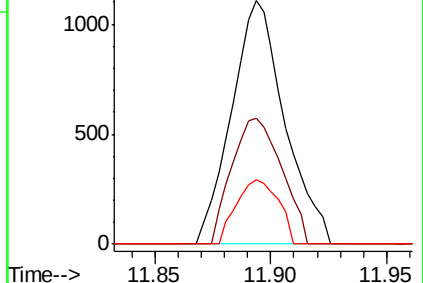
134 20.8 11.7 35.0

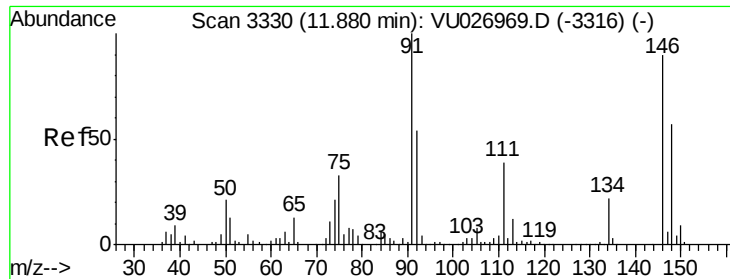


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

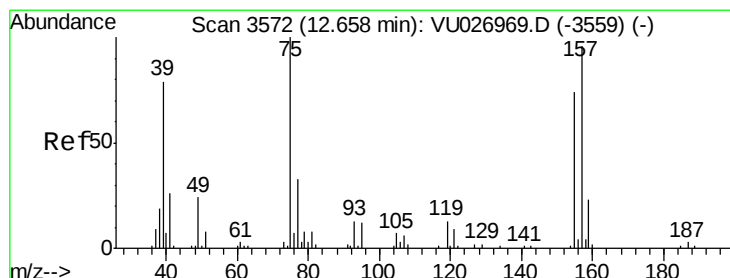
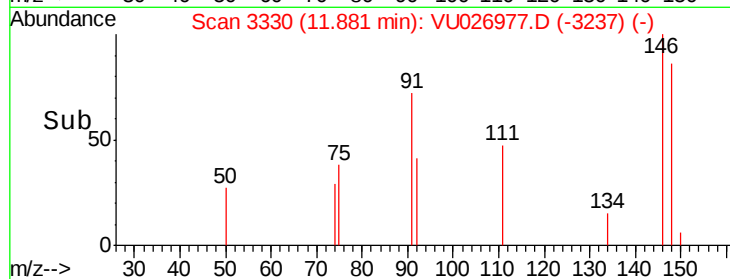
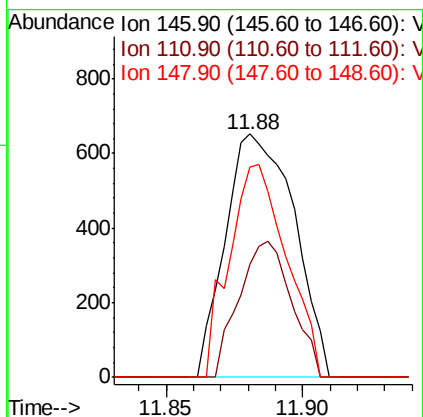
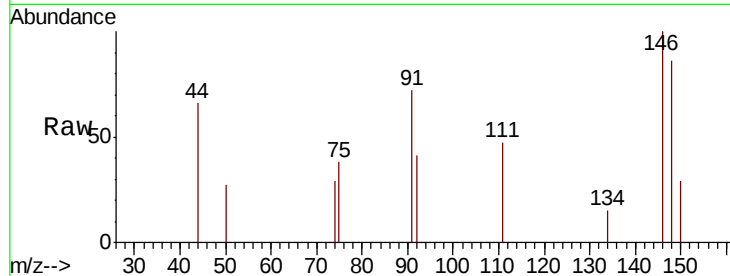




#91
 1,2-Dichlorobenzene
 Concen: 0.407 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

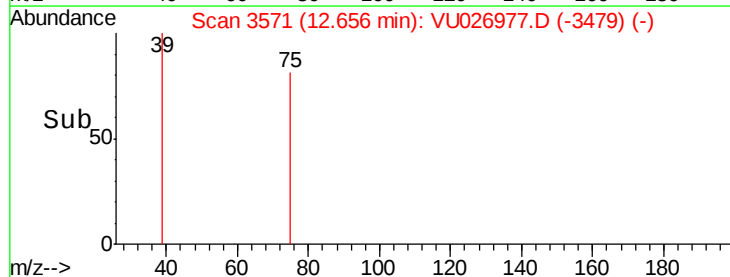
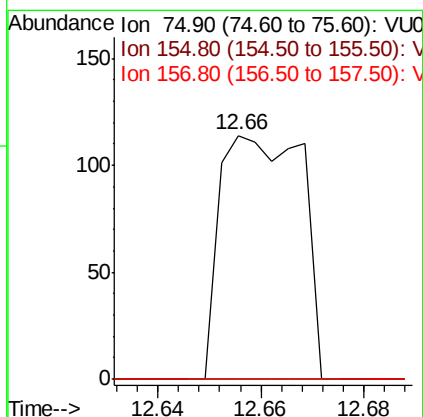
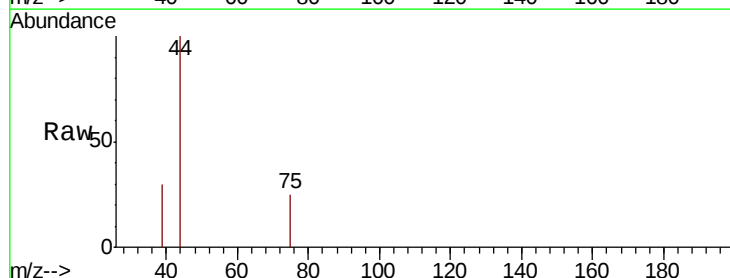
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1DL

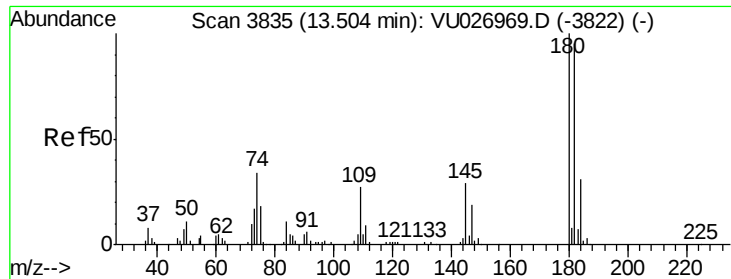
Tgt Ion:146 Resp: 1144
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.8 65.3
 148 72.6 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.229 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

Tgt Ion: 75 Resp: 125
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.8#
 157 0.0 47.4 142.2#

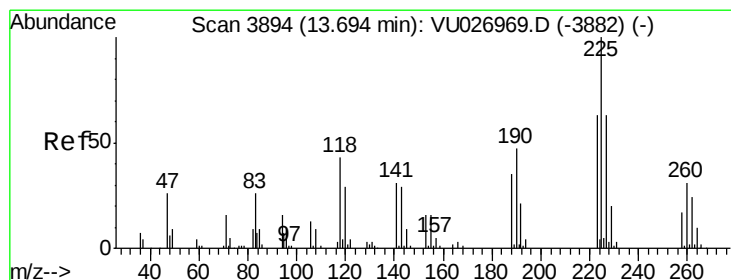
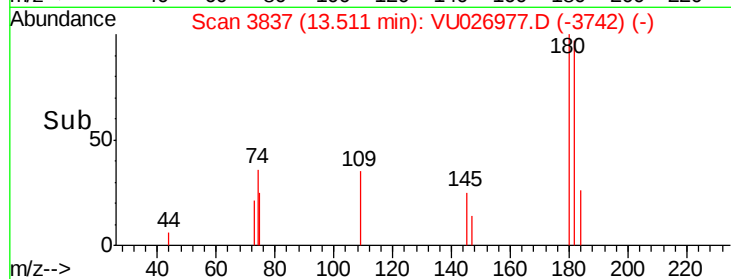
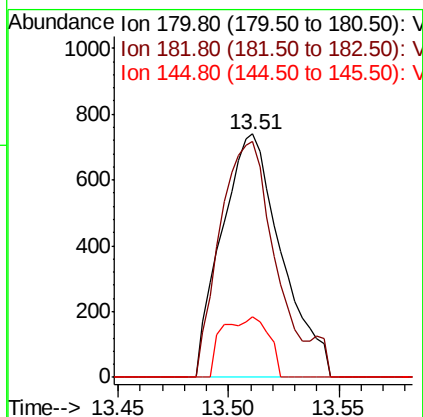
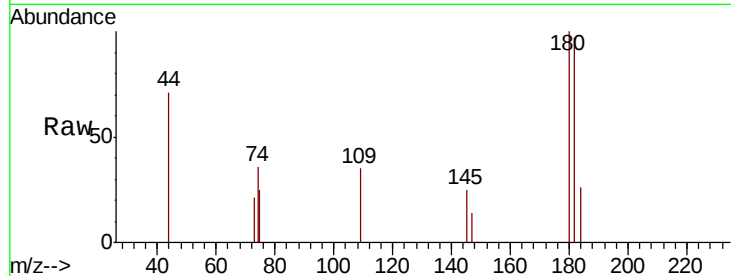




#93
 1,2,4-Trichlorobenzene
 Concen: 0.858 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

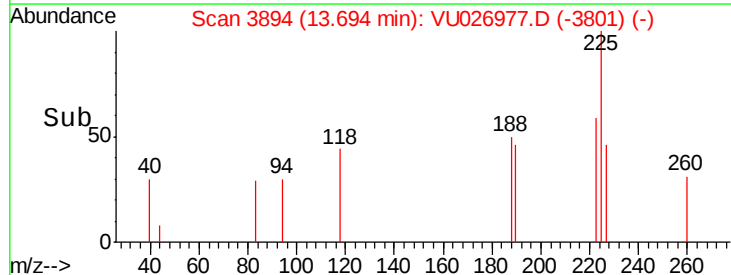
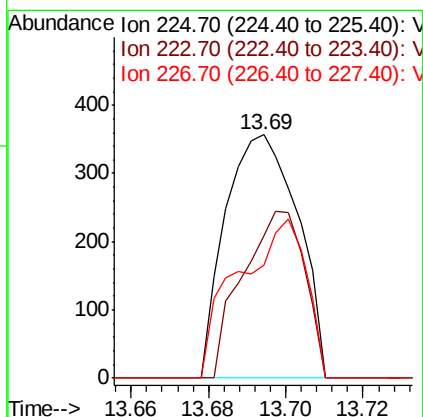
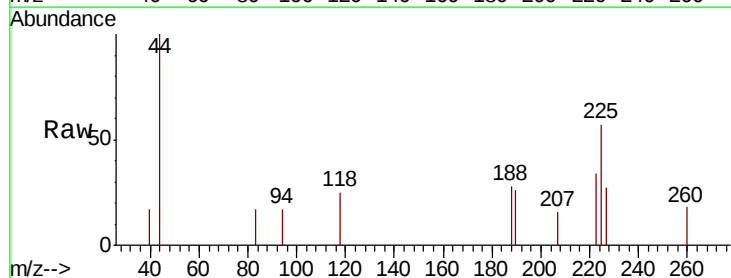
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1DL

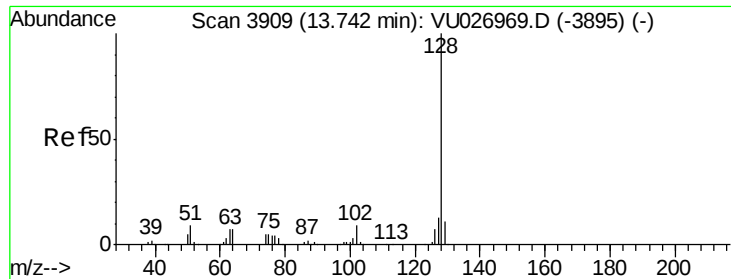
Tgt Ion:180 Resp: 1388
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.4 142.2
 145 19.1 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.541 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026977.D
 Acq: 21 Sep 2018 19:18

Tgt Ion:225 Resp: 463
 Ion Ratio Lower Upper
 225 100
 223 58.7 31.9 95.7
 227 62.0 32.1 96.5

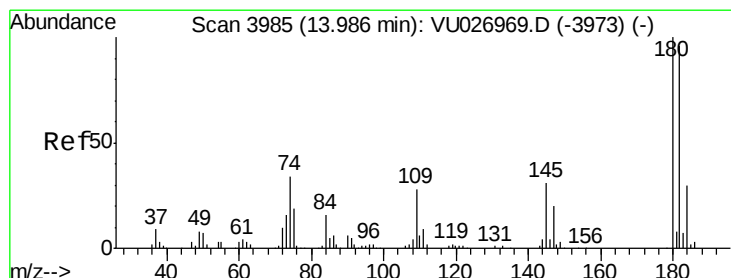
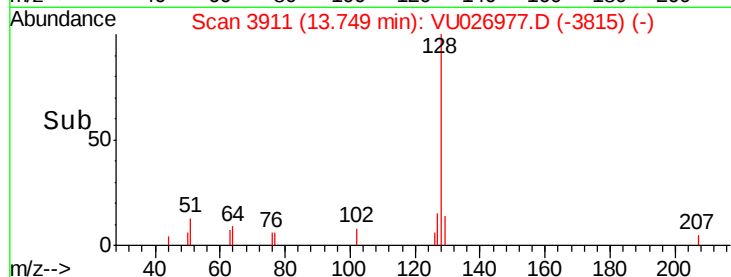
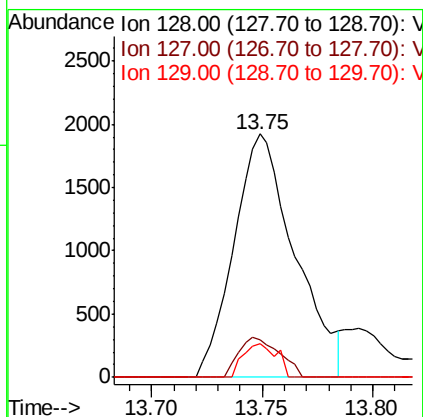
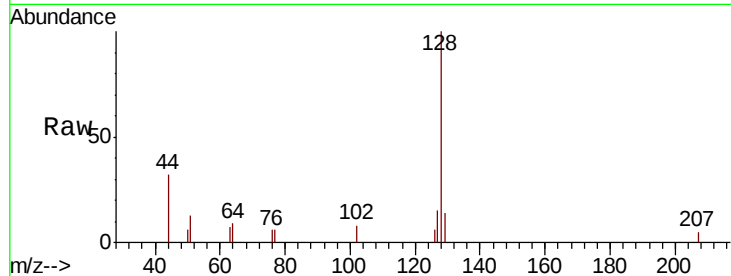




#95
Naphthalene
Concen: 2.253 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Instrument :
MSVOA_U
ClientSampleId :
MW-1DL

Tgt Ion:128 Resp: 3690
Ion Ratio Lower Upper
128 100
127 10.9 10.6 15.8
129 7.6 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.769 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026977.D
Acq: 21 Sep 2018 19:18

Tgt Ion:180 Resp: 1334
Ion Ratio Lower Upper
180 100
182 102.0 47.5 142.5
145 24.3 15.4 46.4

