

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027201.D
 Acq On : 27 Sep 2018 01:11
 Operator : MD/SY
 Sample : J5048-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

Quant Time: Sep 27 02:48:00 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	114680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	185491	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	99984	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	105776	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	4.88	113	76151	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	7.57	98	296121	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	10.31	95	112707	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.43	85	2534	1.692	ug/l	95
4) Vinyl Chloride	1.40	62	4700	1.950	ug/l #	87
6) Chloroethane	1.70	64	18749	12.177	ug/l	98
7) Trichlorofluoromethane	1.89	101	3246	1.186	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	198074	117.704	ug/l	99
11) Tert butyl alcohol	2.83	59	1051	1.987	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	231918	146.422	ug/l	99
13) Acrolein	2.20	56	381	1.336	ug/l #	63
16) Acetone	2.32	43	23877	3.090	ug/l	98
17) Carbon Disulfide	2.48	76	6675	1.294	ug/l	96
18) Methyl Acetate	2.62	43	1276	0.388	ug/l	93
20) Methylene Chloride	2.70	84	2403	1.162	ug/l #	78
21) trans-1,2-Dichloroethene	2.99	96	1981	1.171	ug/l	94
22) Diisopropyl ether	3.60	45	1837	0.267	ug/l #	1
23) Vinyl Acetate	3.61	43	3491	0.596	ug/l #	75
24) 1,1-Dichloroethane	3.45	63	131149	34.655	ug/l	99
25) 2-Butanone	4.28	43	6466	3.333	ug/l	93
26) 2,2-Dichloropropane	4.20	77	673	0.228	ug/l #	55
27) cis-1,2-Dichloroethene	4.23	96	4002260	2095.665	ug/l	90
28) Bromochloromethane	4.67	49	1670	0.915	ug/l #	23
29) Tetrahydrofuran	4.66	42	311	0.265	ug/l #	37
30) Chloroform	4.67	83	18962	5.398	ug/l	98
31) Cyclohexane	4.99	56	3168	0.350	ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	1323969	472.043	ug/l	98
36) 1,1-Dichloropropene	4.99	75	11015	4.449	ug/l #	49
38) Carbon Tetrachloride	5.14	117	18636	7.911	ug/l	95
39) Methylcyclohexane	6.19	83	26614	9.893	ug/l #	1
44) Trichloroethene	6.19	130	1978050	1234.616	ug/l	99
45) 1,2-Dichloropropane	6.19	63	7658	3.571	ug/l #	1
48) Methyl methacrylate	6.61	41	37	1.025	ug/l #	17
52) Toluene	7.64	92	17739	4.112	ug/l	97
55) 1,1,2-Trichloroethane	8.23	97	7082	3.874	ug/l #	1
56) Ethyl methacrylate	8.12	69	272	2.275	ug/l #	1
59) 2-Hexanone	8.52	43	58919	22.898	ug/l #	26

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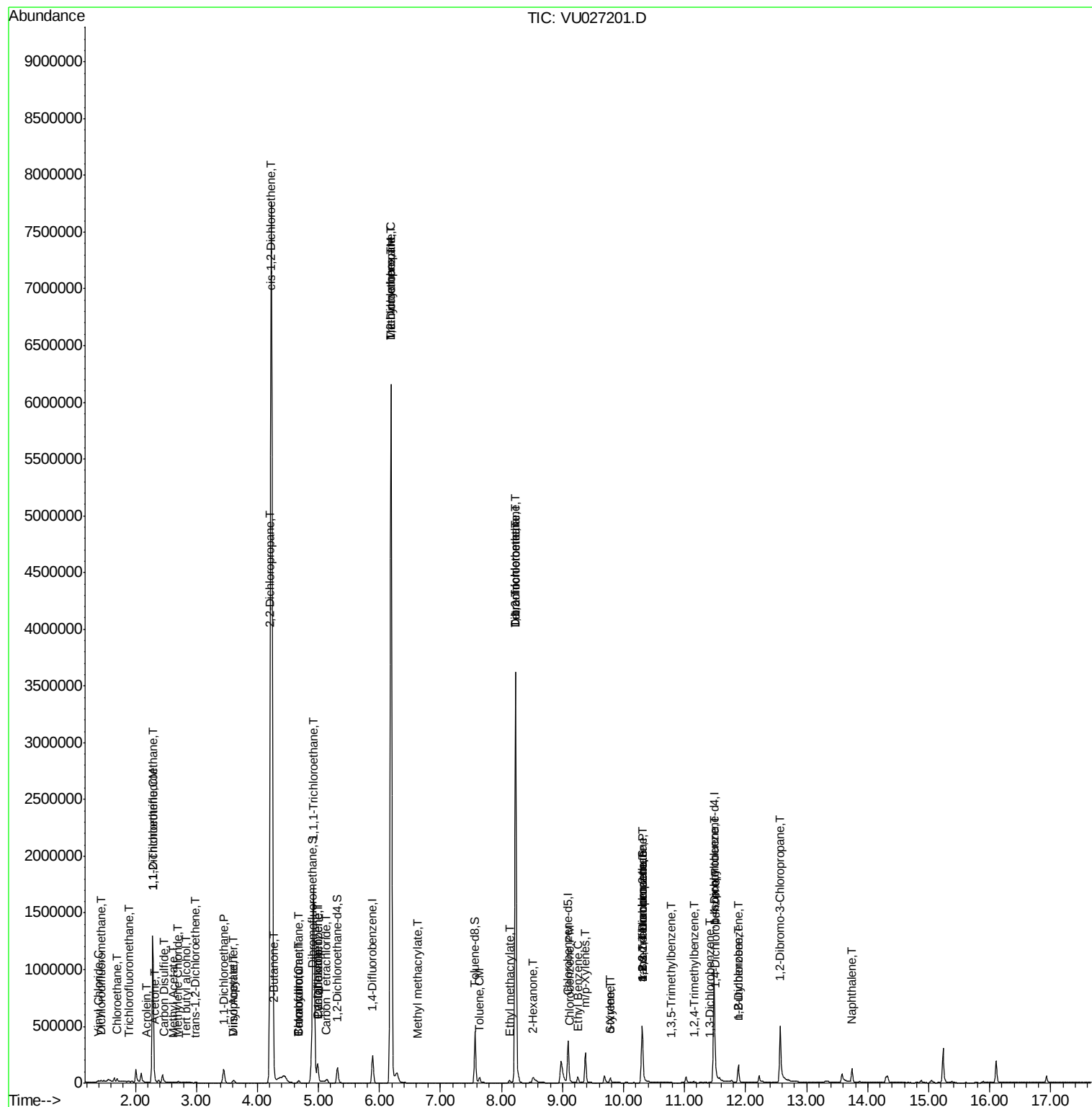
60) Dibromochloromethane	8.23	129	770956	429.999	ug/l #	11
64) Tetrachloroethene	8.23	164	795583	546.990	ug/l	98
65) Chlorobenzene	9.12	112	3254	0.650	ug/l	91
67) Ethyl Benzene	9.25	91	37719	4.583	ug/l	100
68) m/p-Xylenes	9.37	106	72179	22.832	ug/l	98
69) o-Xylene	9.78	106	10467	3.590	ug/l	98
70) Styrene	9.78	104	768	1.946	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.30	83	1119	0.320	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	60798	20.016	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.77	105	1811	0.288	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	60798	64.054	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	5007	0.784	ug/l	95
86) p-Isopropyltoluene	11.48	119	242	0.961	ug/l #	1
87) 1,3-Dichlorobenzene	11.42	146	1004	0.290	ug/l	91
88) 1,4-Dichlorobenzene	11.51	146	8017	2.127	ug/l	86
89) n-Butylbenzene	11.89	91	1078	2.541	ug/l #	64
91) 1,2-Dichlorobenzene	11.88	146	56146	15.282	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.57	75	1066	1.494	ug/l #	7
95) Naphthalene	13.74	128	85203	11.634	ug/l	99

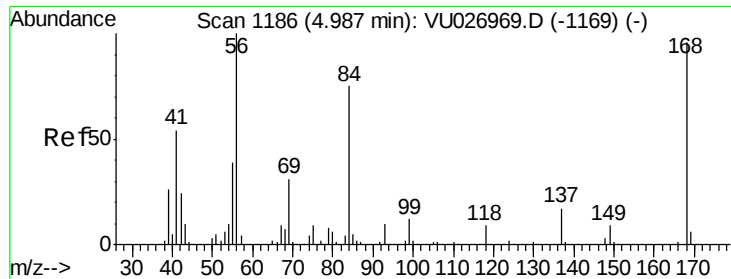
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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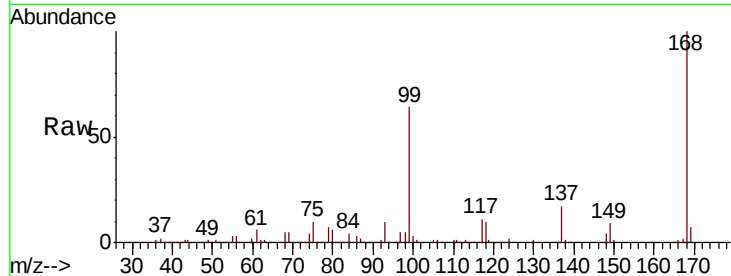




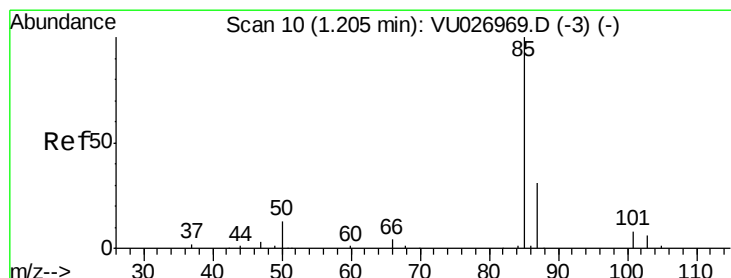
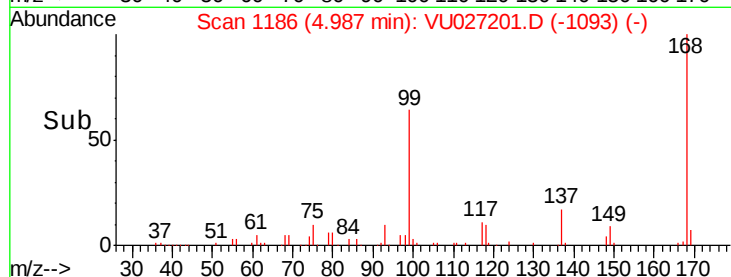
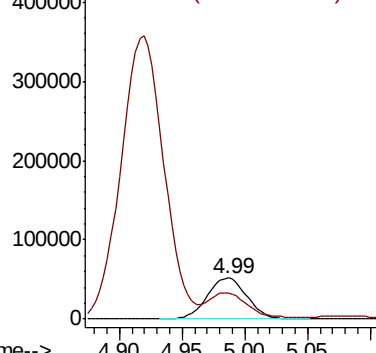
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

Tgt Ion: 168 Resp: 114680
Ion Ratio Lower Upper
168 100
99 58.8 48.1 72.1

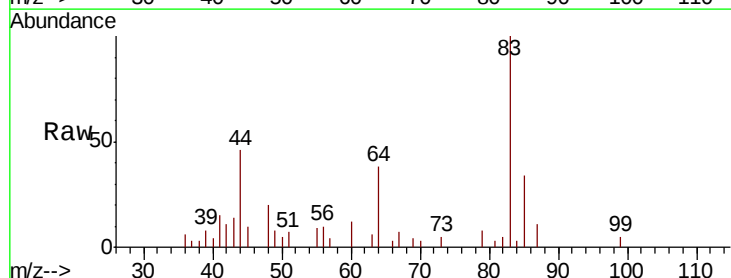


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

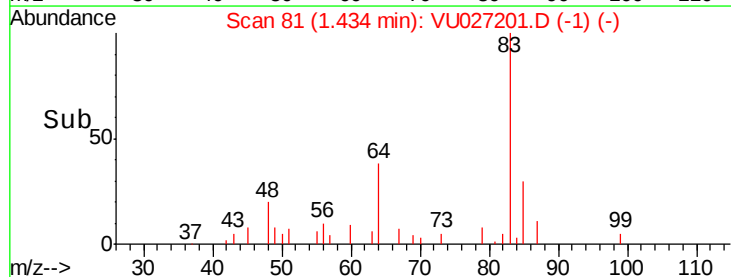
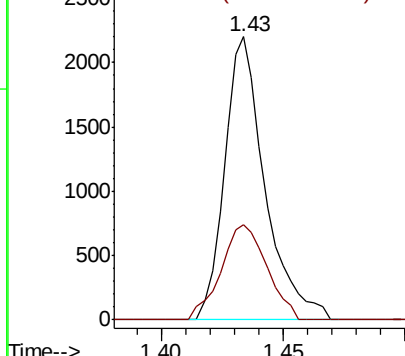


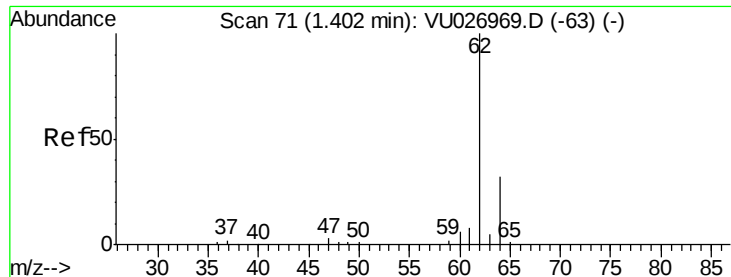
#2
Dichlorodifluoromethane
Concen: 1.692 ug/l
RT: 1.43 min Scan# 81
Delta R.T. 0.23 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 85 Resp: 2534
Ion Ratio Lower Upper
85 100
87 33.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)





#4

Vinyl Chloride

Concen: 1.950 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

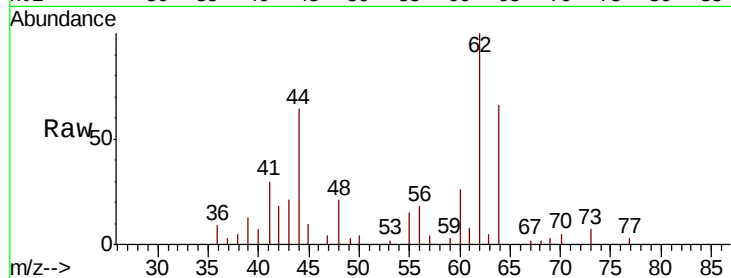
MW-36-SEP18

Tgt Ion: 62 Resp: 4700

Ion Ratio Lower Upper

62 100

64 39.1 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

4000

3000

2000

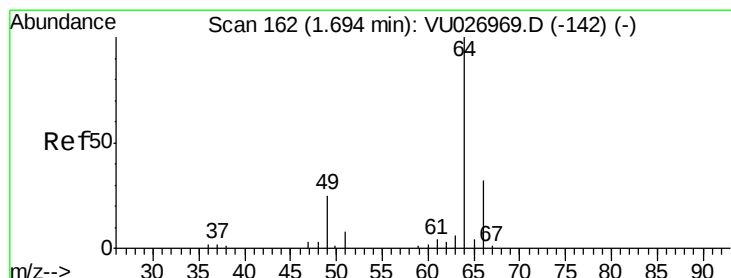
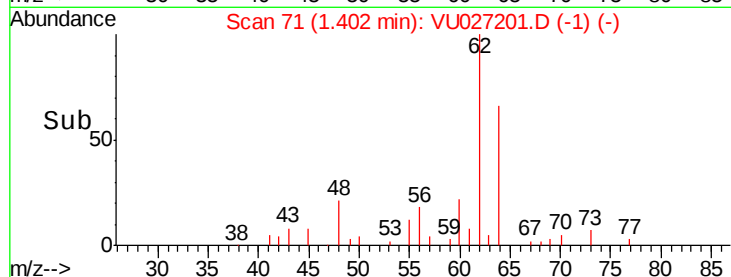
1000

0

Time-->

1.40

1.45



#6

Chloroethane

Concen: 12.177 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027201.D

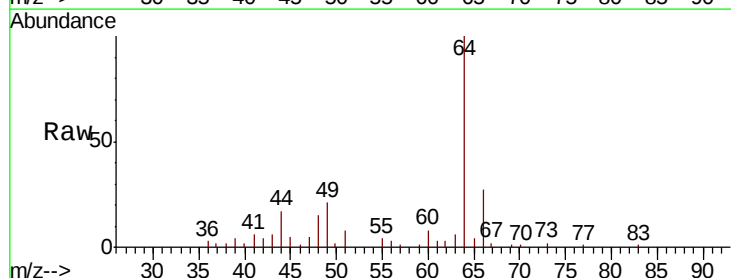
Acq: 27 Sep 2018 01:11

Tgt Ion: 64 Resp: 18749

Ion Ratio Lower Upper

64 100

66 30.3 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

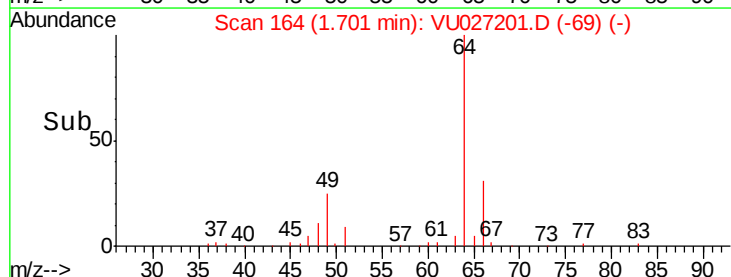
Time-->

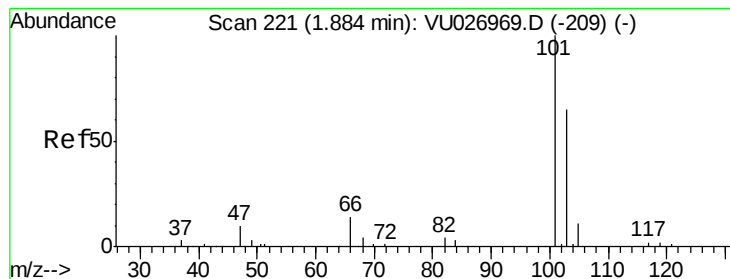
1.65

1.70

1.75

1.80



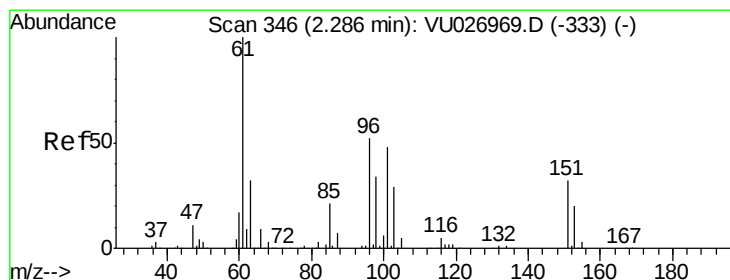
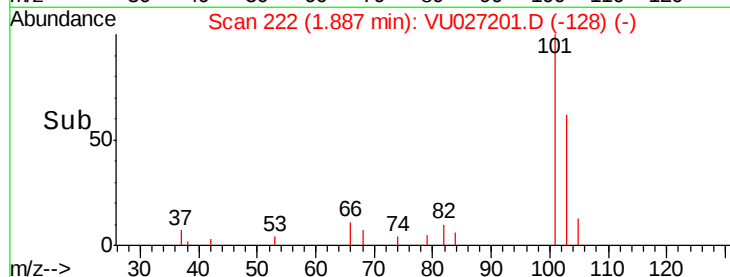
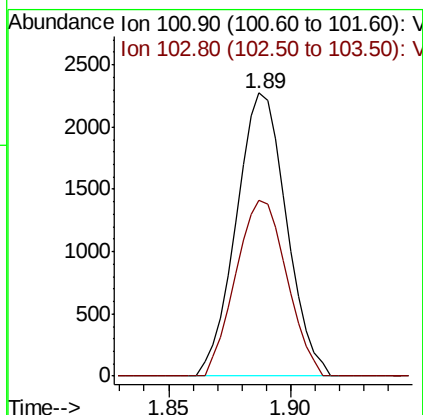
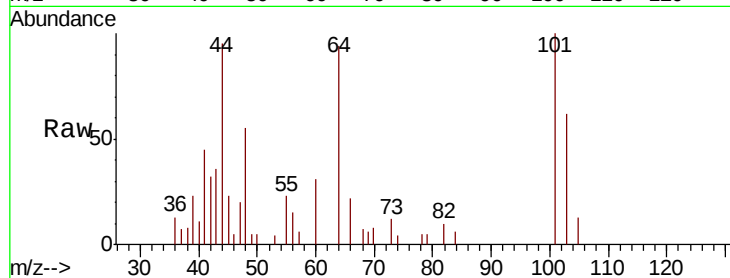


#7

Trichlorofluoromethane
 Concen: 1.186 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

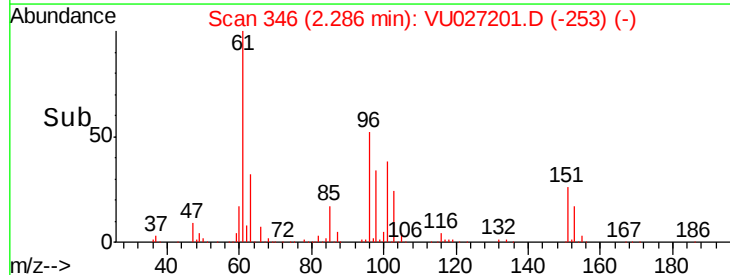
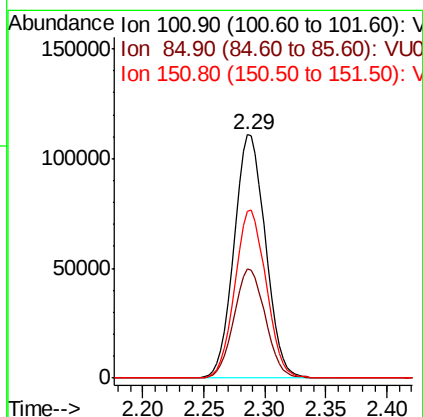
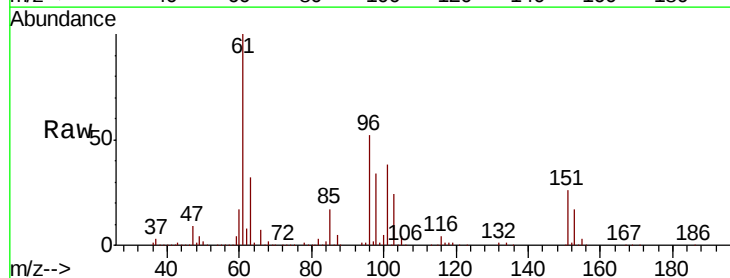
Tgt Ion:101 Resp: 3246
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.2 78.2

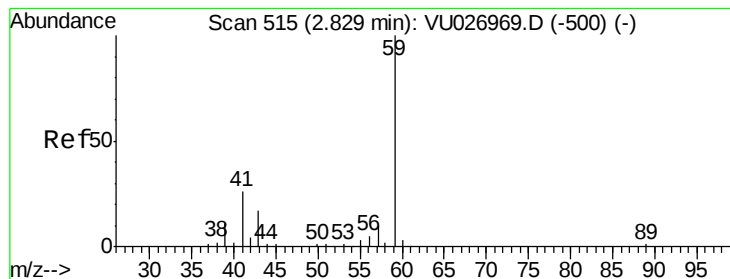


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 117.704 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion:101 Resp: 198074
 Ion Ratio Lower Upper
 101 100
 85 45.2 36.2 54.2
 151 68.9 54.5 81.7



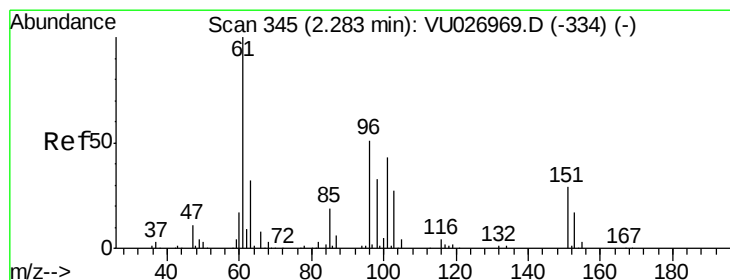
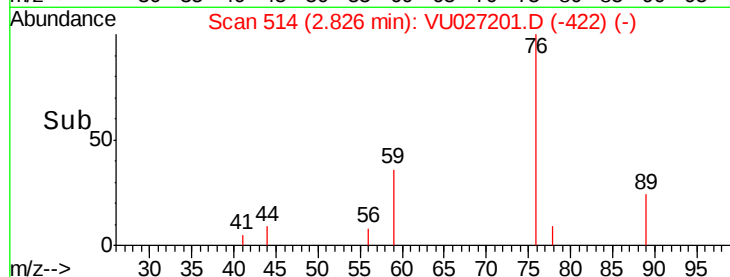
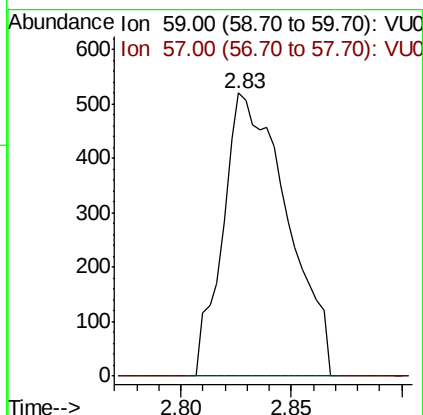
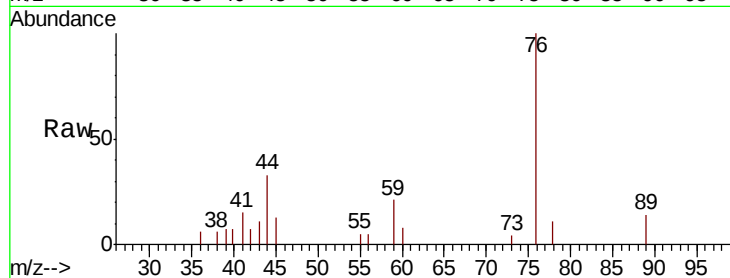


#11

Tert butyl alcohol
 Concen: 1.987 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027201.D
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Instrument :
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 MW-36-SEP18

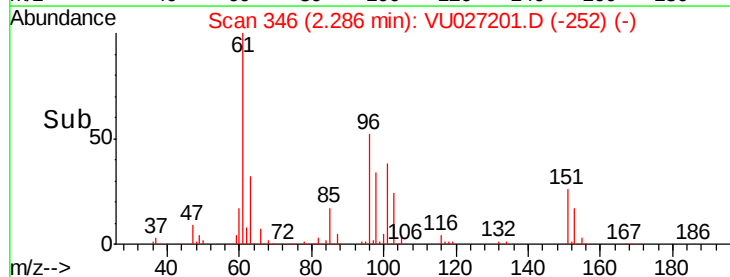
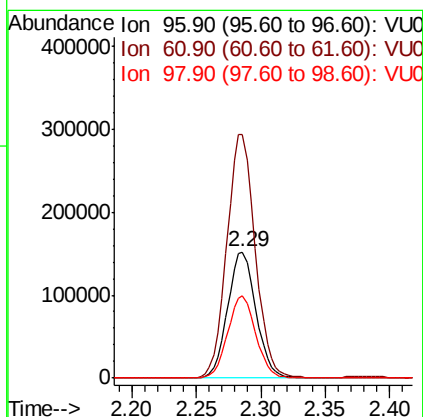
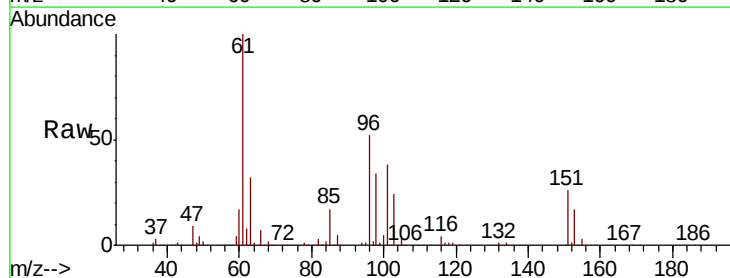
Tgt Ion: 59 Resp: 1051
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

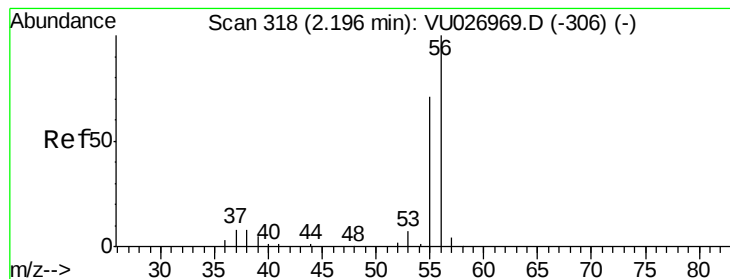


#12

1,1-Dichloroethene
 Concen: 146.422 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 96 Resp: 231918
 Ion Ratio Lower Upper
 96 100
 61 193.1 156.1 234.1
 98 64.8 51.4 77.0





#13

Acrolein

Concen: 1.336 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

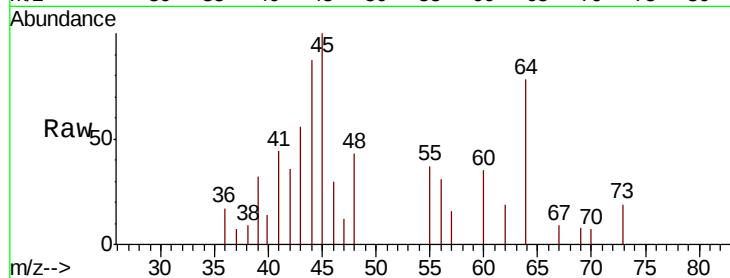
MW-36-SEP18

Tgt Ion: 56 Resp: 381

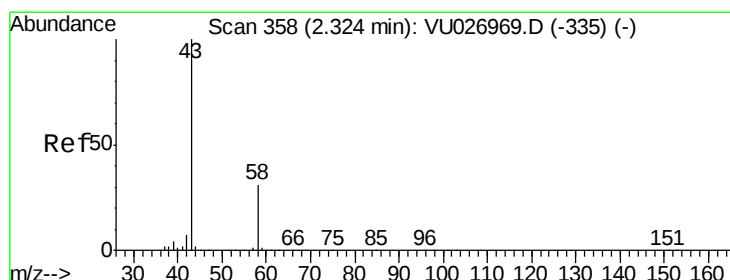
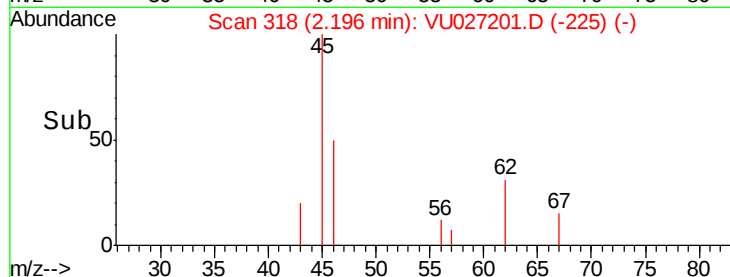
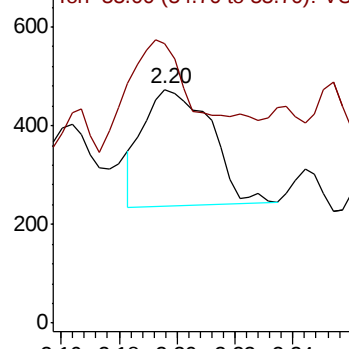
Ion Ratio Lower Upper

56 100

55 101.8 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU027201.D (-225) (-)



#16

Acetone

Concen: 3.090 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027201.D

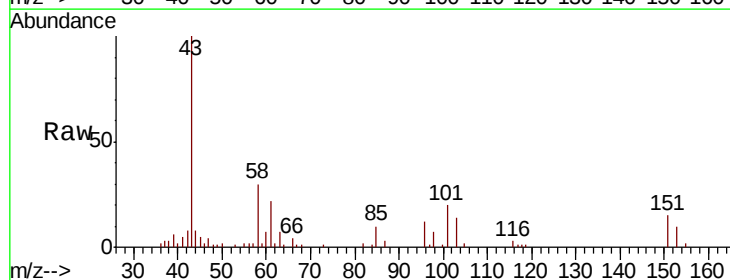
Acq: 27 Sep 2018 01:11

Tgt Ion: 43 Resp: 23877

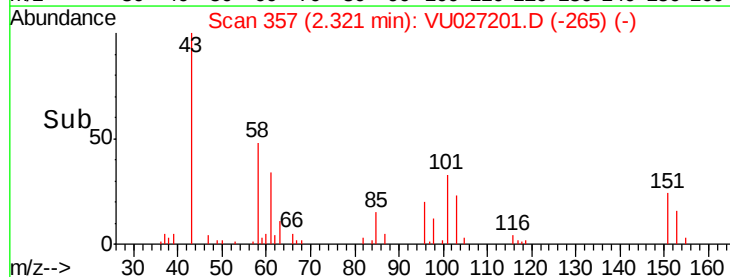
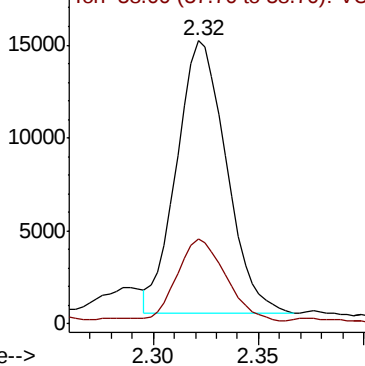
Ion Ratio Lower Upper

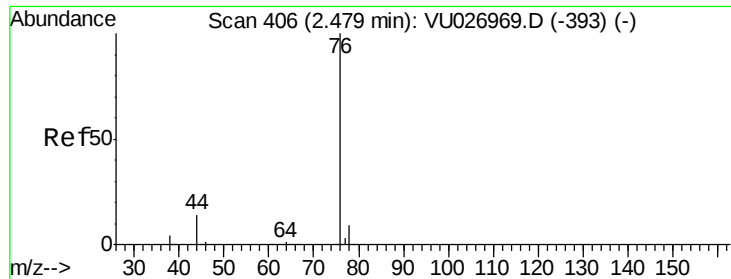
43 100

58 29.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU027201.D (-265) (-)

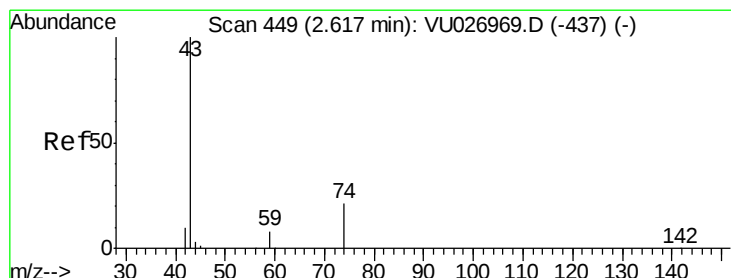
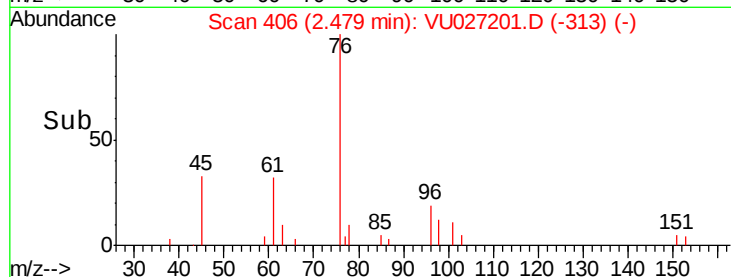
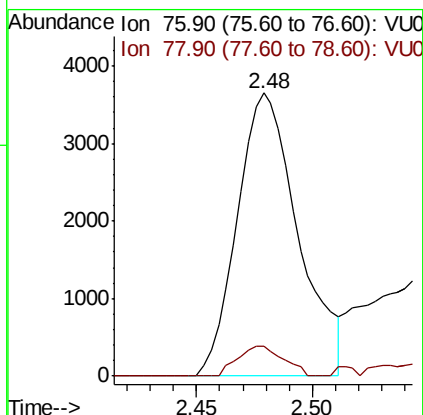
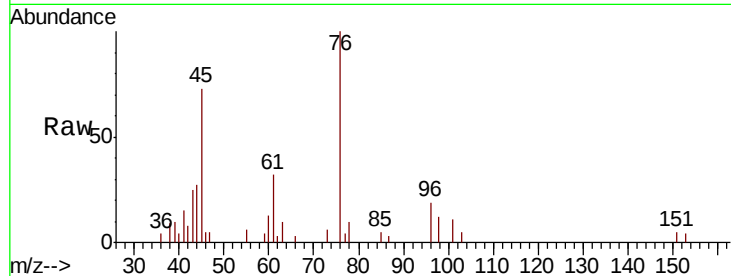




#17
Carbon Disulfide
Concen: 1.294 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

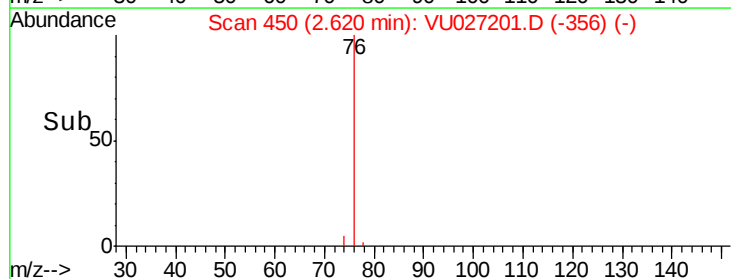
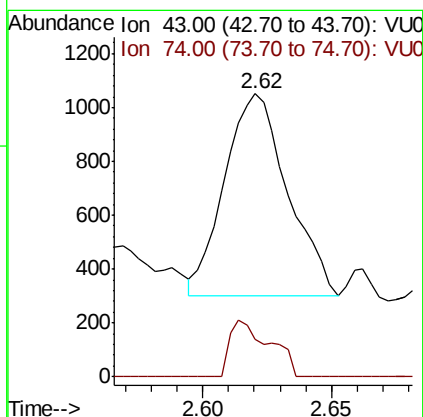
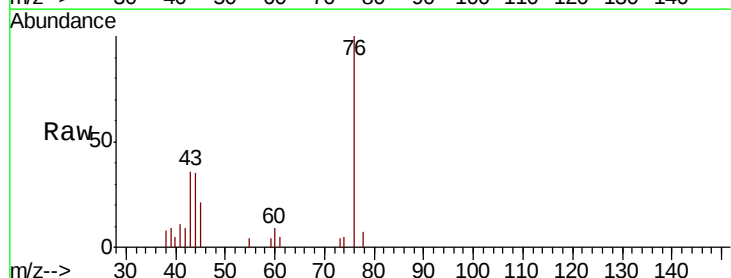
Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

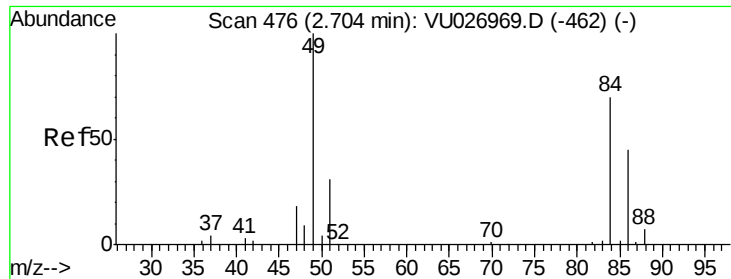
Tgt Ion: 76 Resp: 6675
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7



#18
Methyl Acetate
Concen: 0.388 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
74 17.6 16.6 25.0

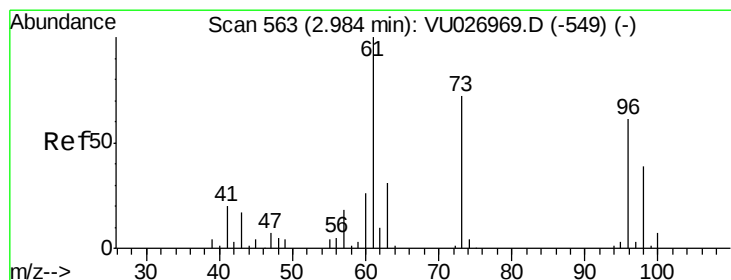
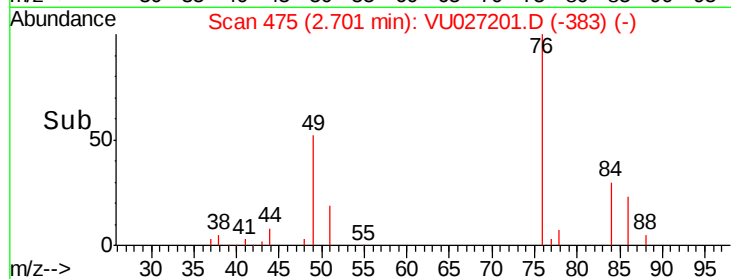
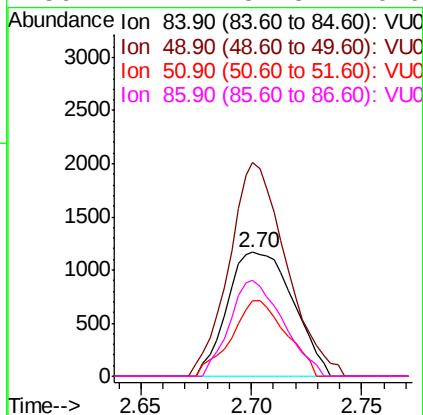
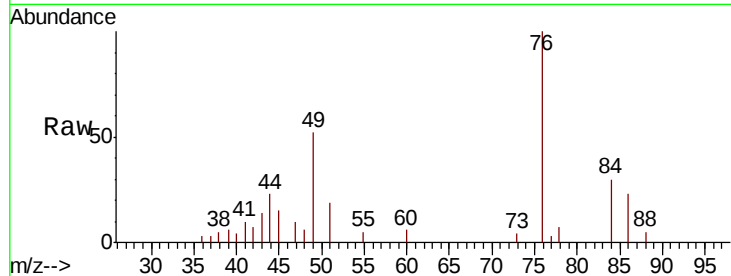




#20
Methylene Chloride
Concen: 1.162 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

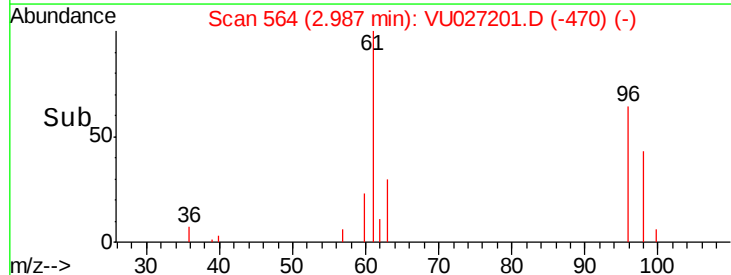
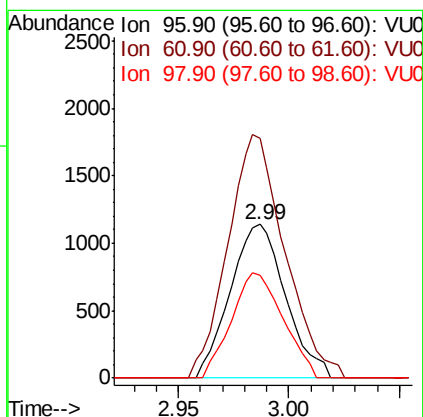
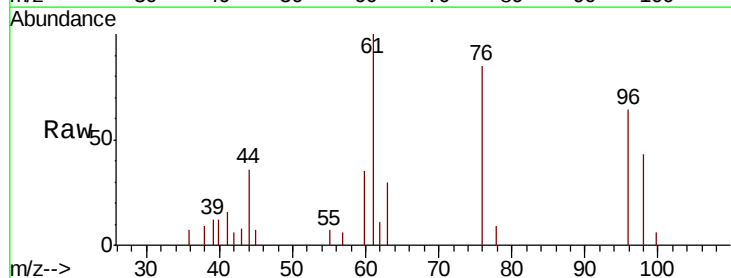
Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

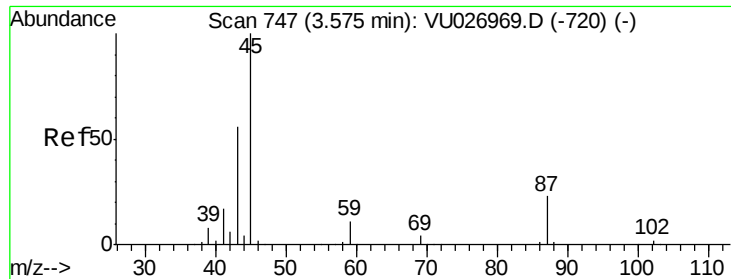
Tgt Ion: 84 Resp: 2403
Ion Ratio Lower Upper
84 100
49 172.4 114.9 172.3#
51 61.1 35.8 53.8#
86 77.1 51.3 76.9#



#21
trans-1,2-Dichloroethene
Concen: 1.171 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 96 Resp: 1981
Ion Ratio Lower Upper
96 100
61 155.8 131.8 197.6
98 67.2 50.9 76.3





#22

Diisopropyl ether

Concen: 0.267 ug/l

RT: 3.60 min Scan# 756

Delta R.T. 0.03 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

Tgt Ion: 45 Resp: 1837

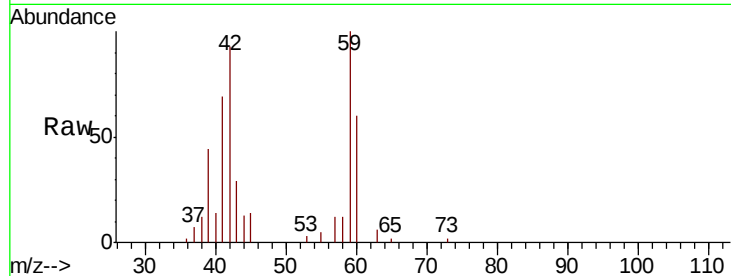
Ion Ratio Lower Upper

45 100

43 179.0 45.8 68.6#

87 0.0 18.6 28.0#

59 683.8 9.0 13.4#

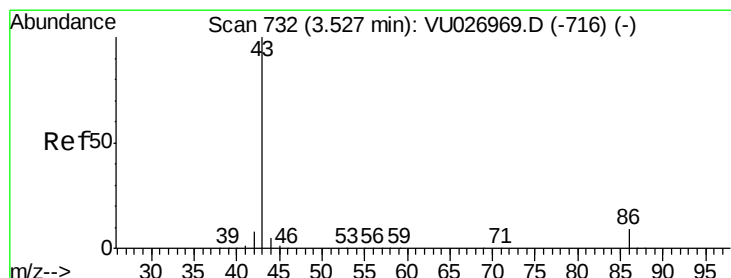
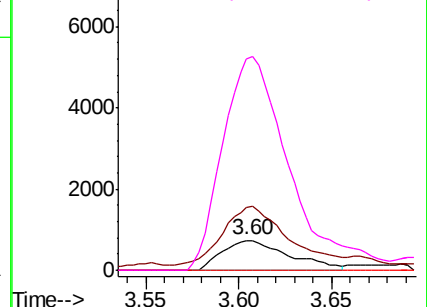
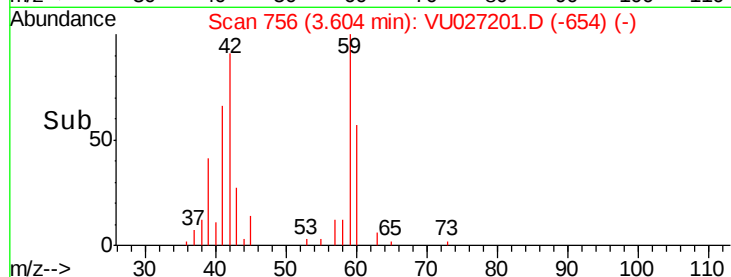


Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 0.596 ug/l

RT: 3.61 min Scan# 757

Delta R.T. 0.08 min

Lab File: VU027201.D

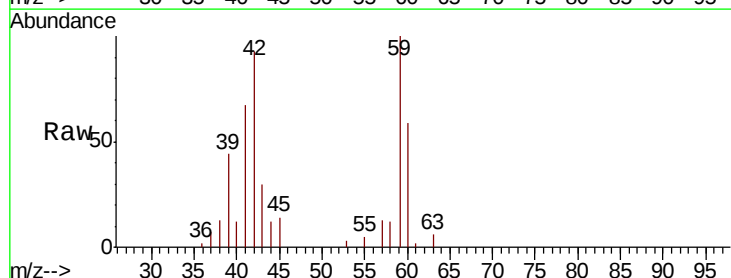
Acq: 27 Sep 2018 01:11

Tgt Ion: 43 Resp: 3491

Ion Ratio Lower Upper

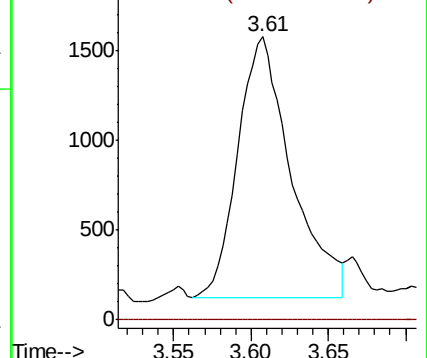
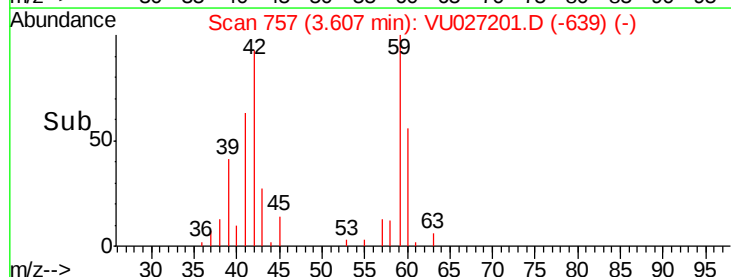
43 100

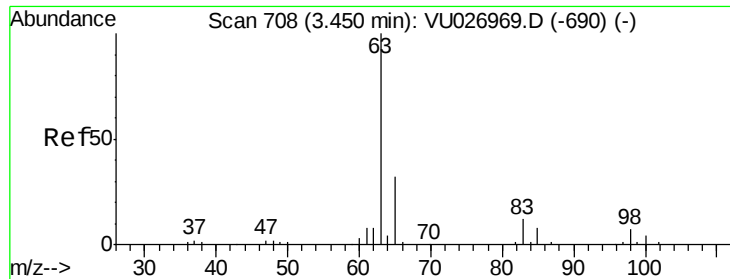
86 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

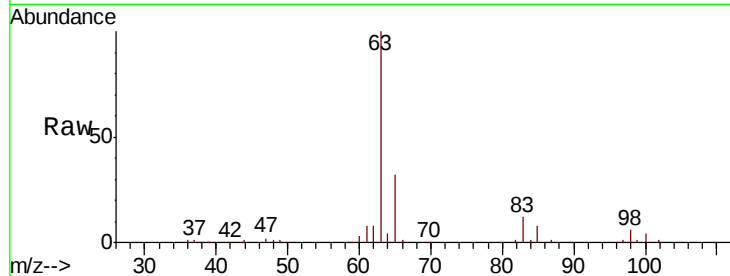




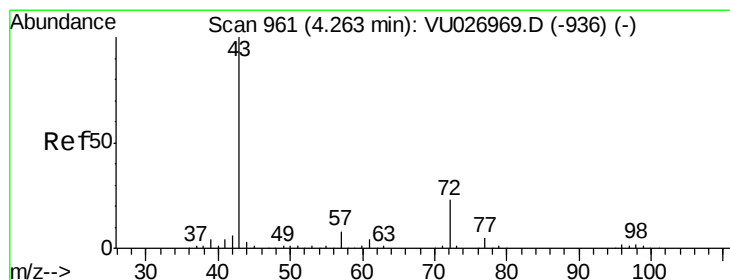
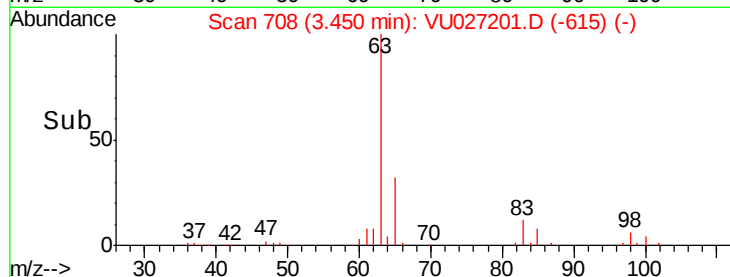
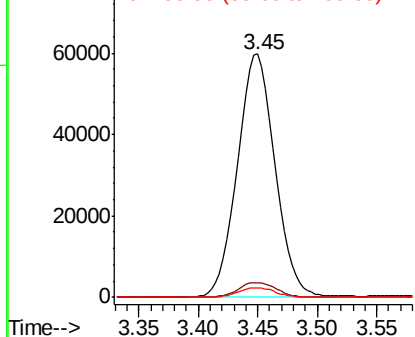
#24
 1,1-Dichloroethane
 Concen: 34.655 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

Tgt Ion: 63 Resp: 131149
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.3 9.8
 100 3.9 2.0 5.8

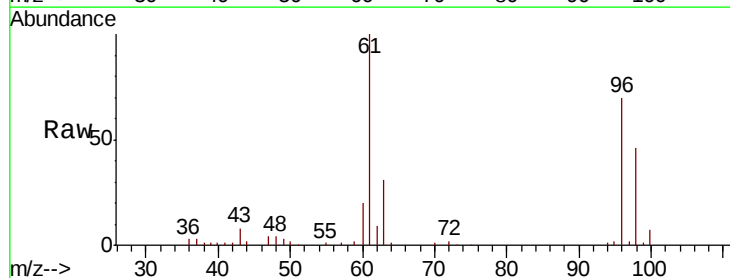


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

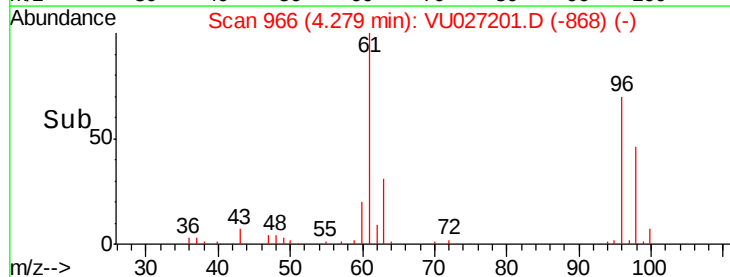
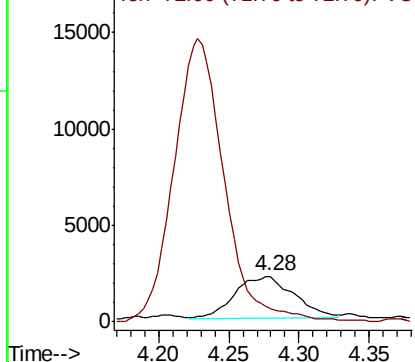


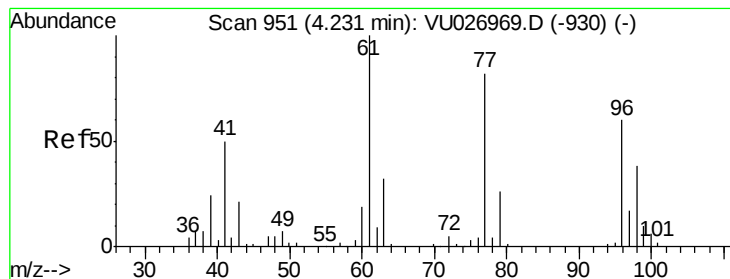
#25
 2-Butanone
 Concen: 3.333 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 43 Resp: 6466
 Ion Ratio Lower Upper
 43 100
 72 26.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#26

2,2-Dichloropropane

Concen: 0.228 ug/l

RT: 4.20 min Scan# 941

Delta R.T. -0.03 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

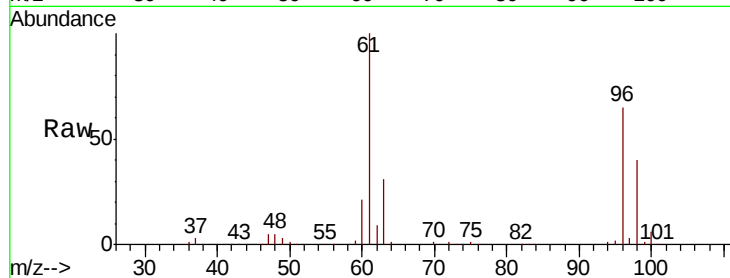
MW-36-SEP18

Tgt Ion: 77 Resp: 673

Ion Ratio Lower Upper

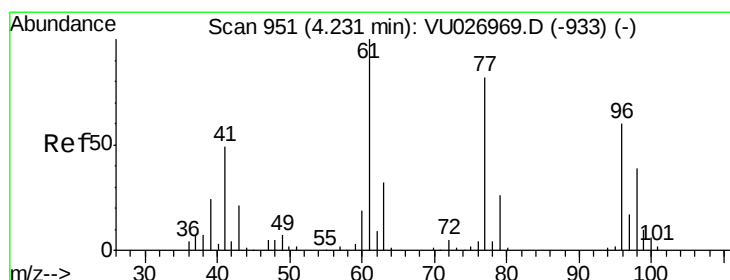
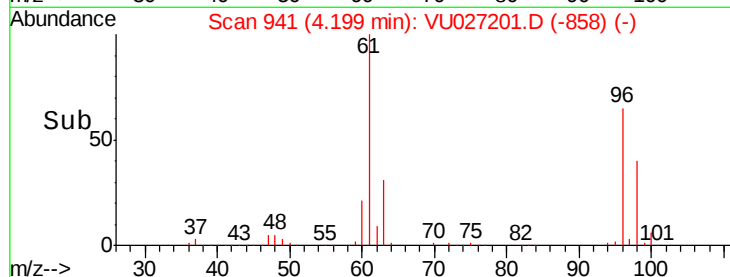
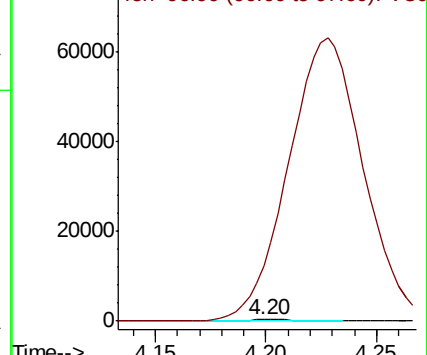
77 100

97 0.0 10.5 31.5#



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 2095.665 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

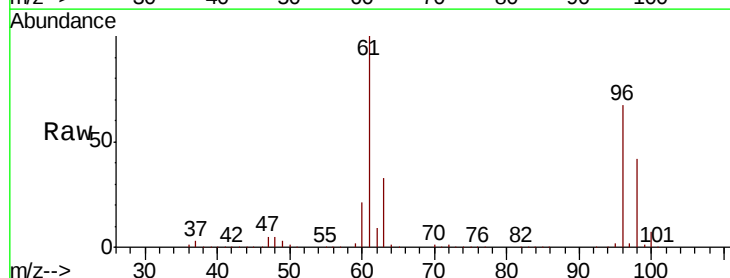
Tgt Ion: 96 Resp: 4002260

Ion Ratio Lower Upper

96 100

61 149.8 0.0 337.2

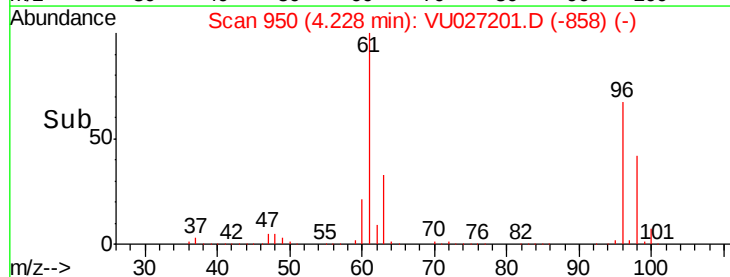
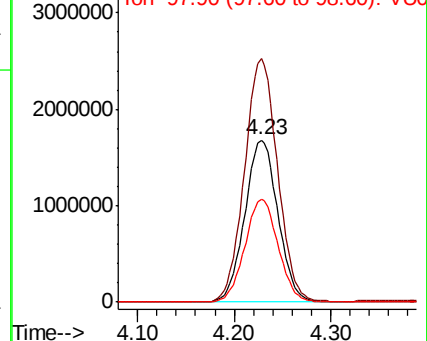
98 63.8 0.0 127.6

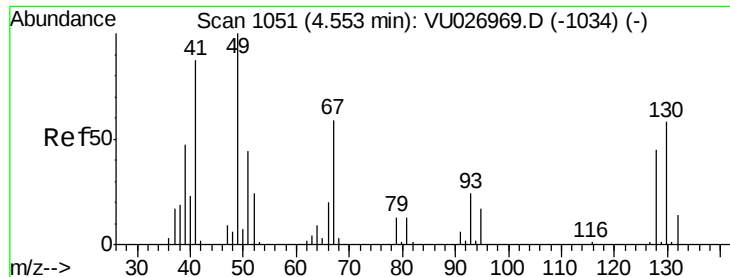


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#28

Bromochloromethane

Concen: 0.915 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.12 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

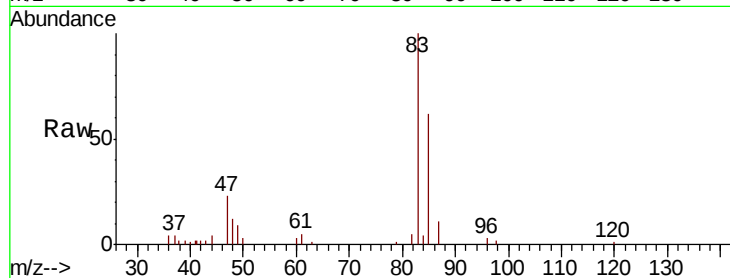
Tgt Ion: 49 Resp: 1670

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

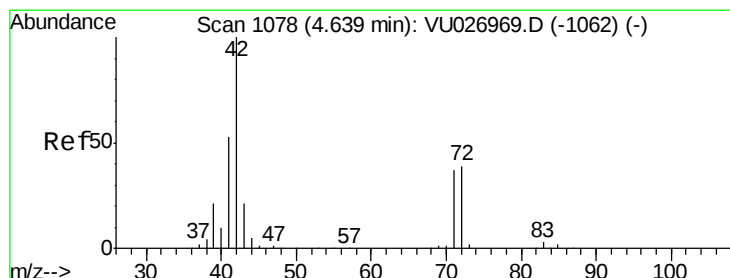
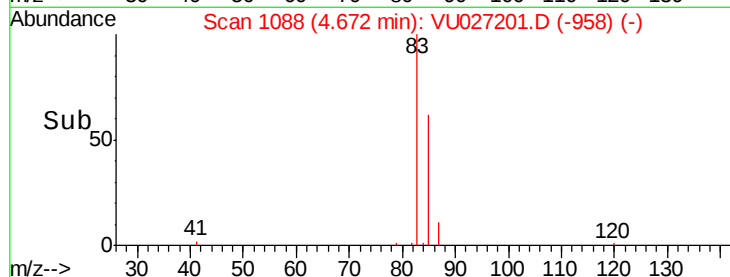
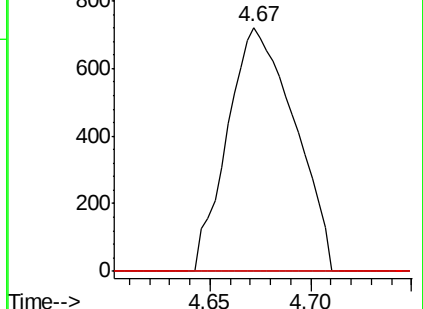
130 0.0 47.8 71.8#



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: 0.265 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

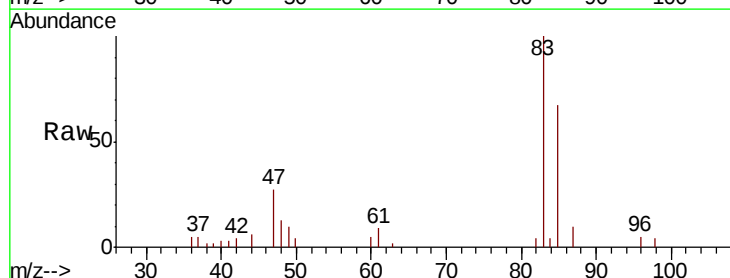
Tgt Ion: 42 Resp: 311

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

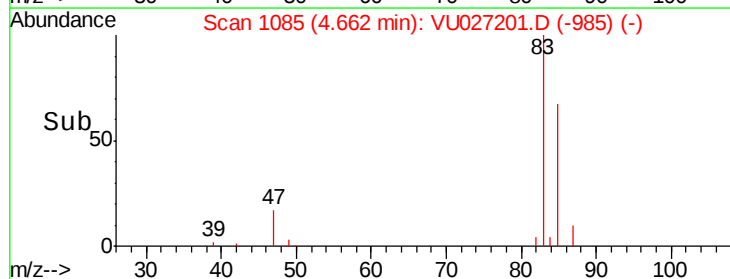
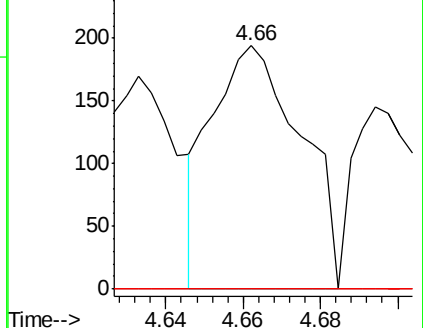
71 0.0 29.6 44.4#

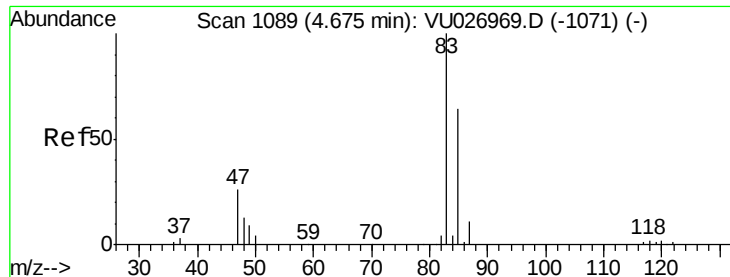


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

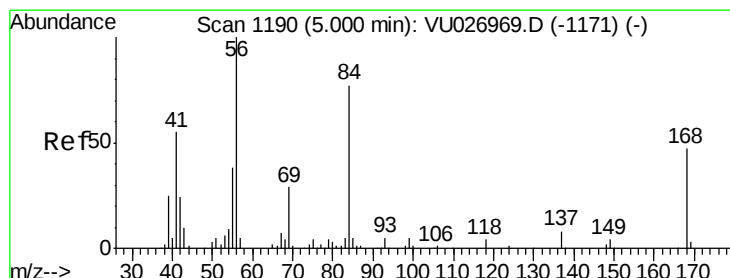
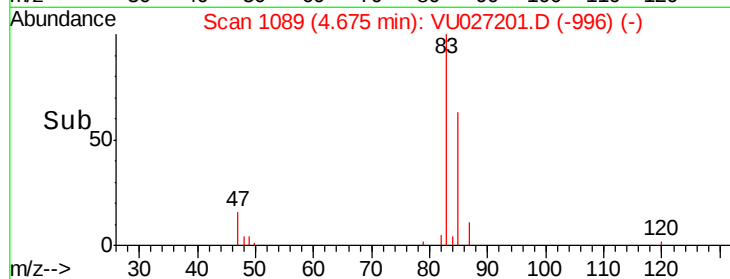
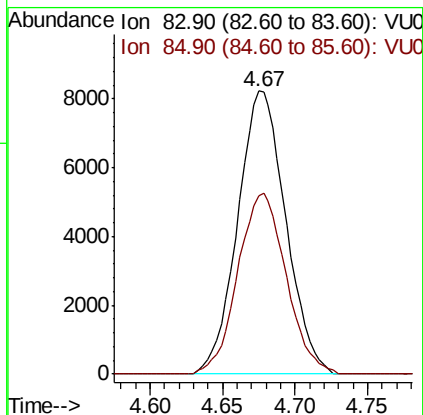
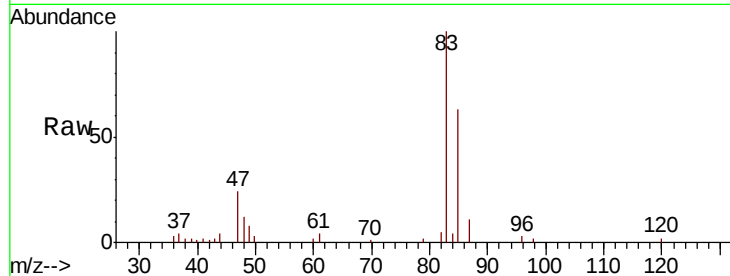




#30
Chloroform
Concen: 5.398 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

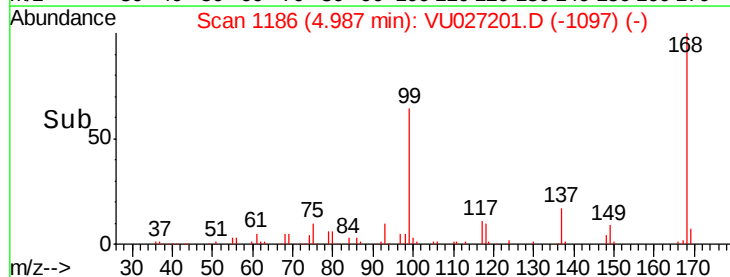
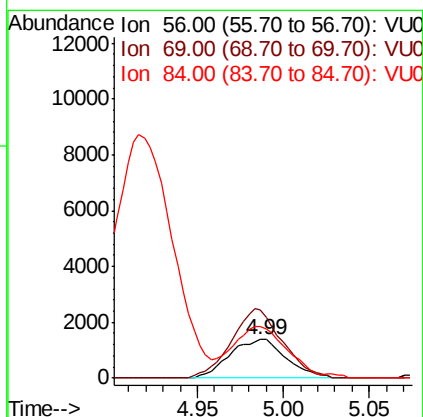
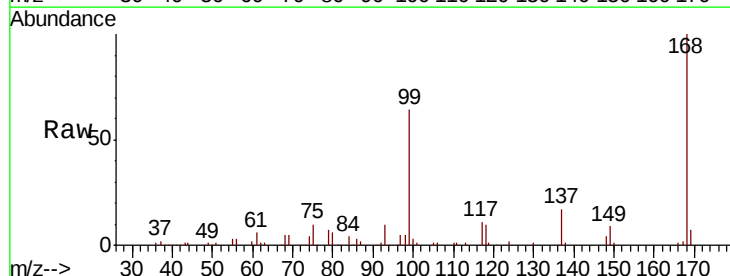
Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

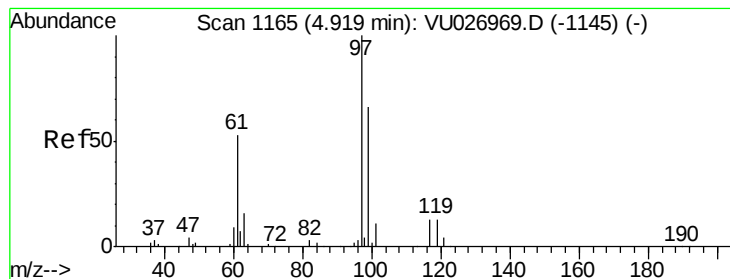
Tgt Ion: 83 Resp: 18962
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3



#31
Cyclohexane
Concen: 0.350 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 56 Resp: 3168
Ion Ratio Lower Upper
56 100
69 177.6 23.0 34.4#
84 124.9 61.4 92.2#





#32

1,1,1-Trichloroethane

Concen: 472.043 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

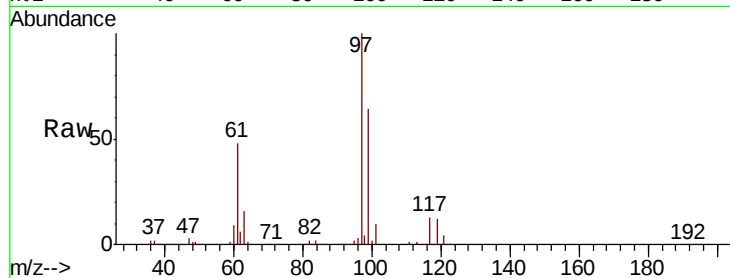
Tgt Ion: 97 Resp: 1323969

Ion Ratio Lower Upper

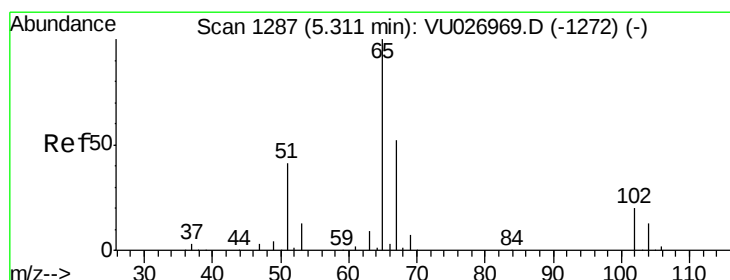
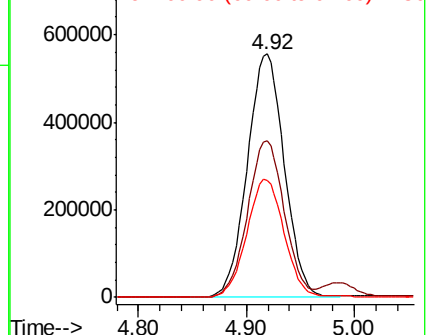
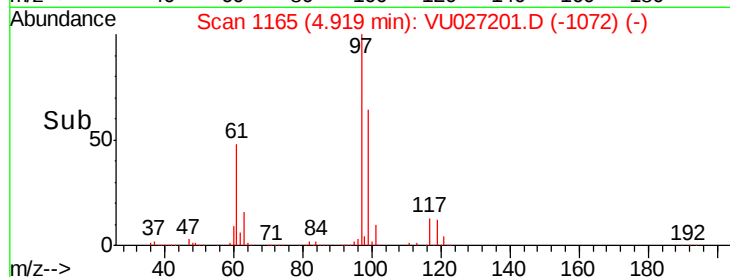
97 100

99 64.4 51.8 77.6

61 49.2 41.1 61.7



Abundance Ion 96.90 (96.60 to 97.60): VU027201.D (-1072) (-)



#33

1,2-Dichloroethane-d4

Concen: 45.828 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027201.D

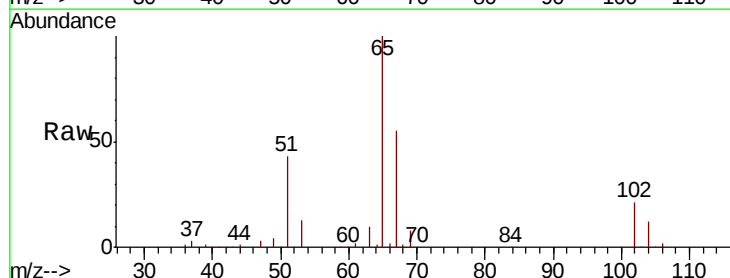
Acq: 27 Sep 2018 01:11

Tgt Ion: 65 Resp: 105776

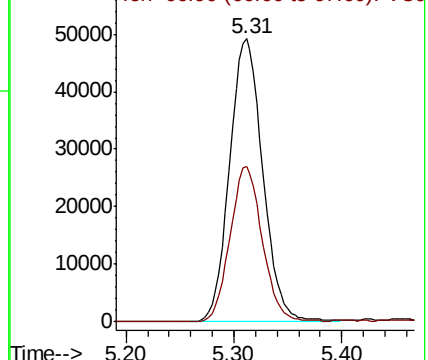
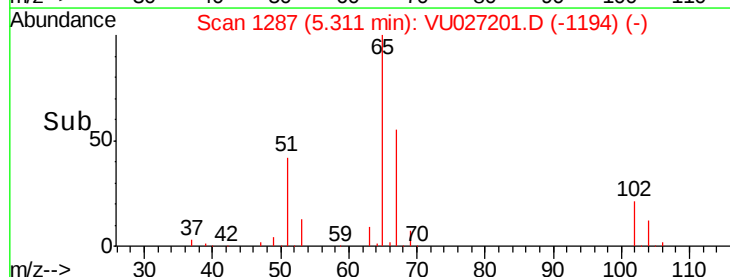
Ion Ratio Lower Upper

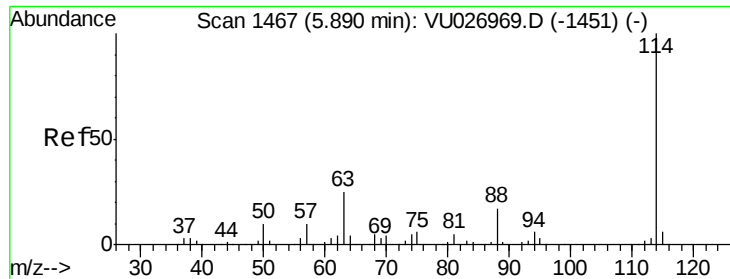
65 100

67 53.3 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU027201.D (-1194) (-)

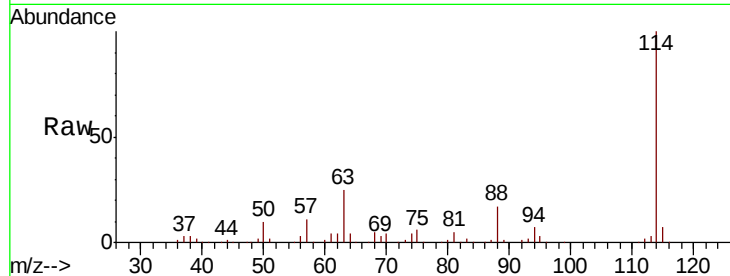




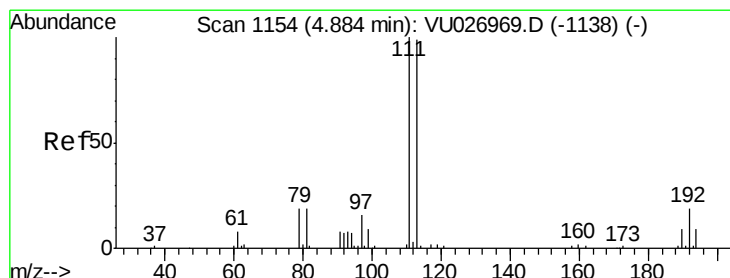
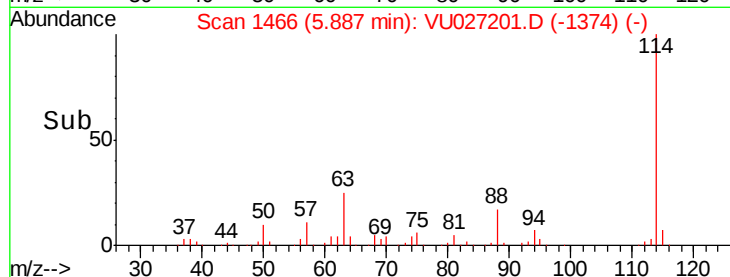
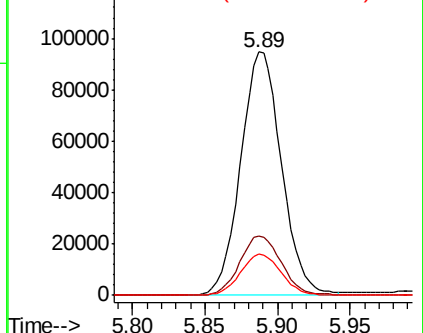
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

Tgt Ion:114 Resp: 185491
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.9 0.0 33.8

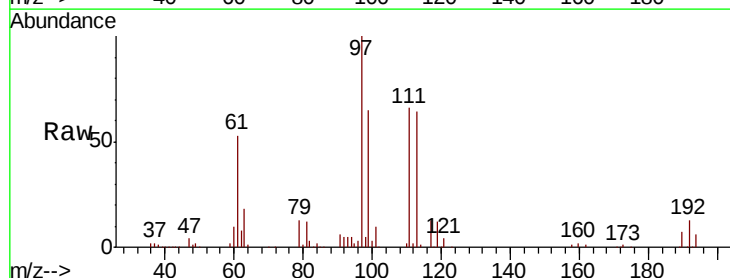


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

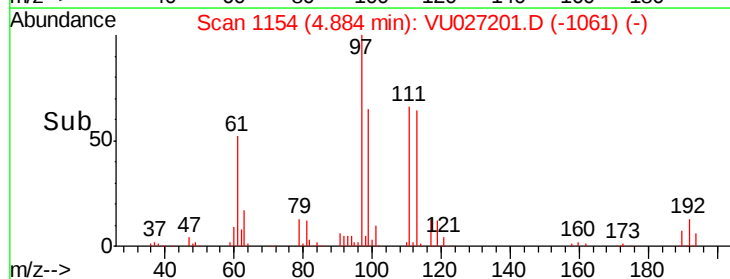
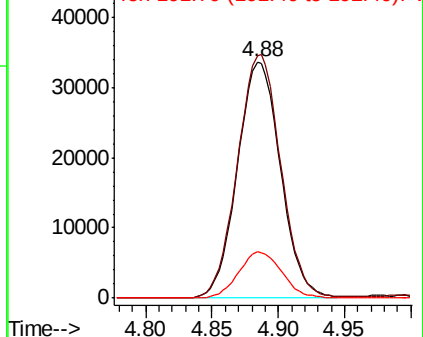


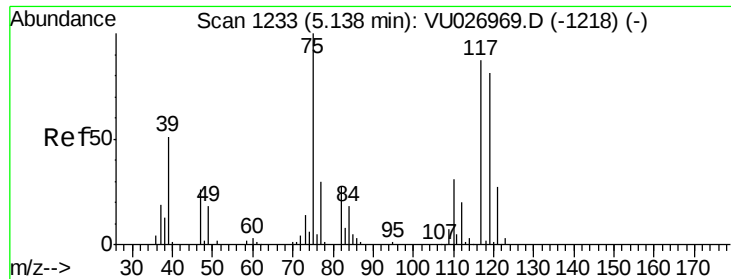
#35
 Dibromofluoromethane
 Concen: 47.362 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion:113 Resp: 76151
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.4
 192 19.6 15.2 22.8



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

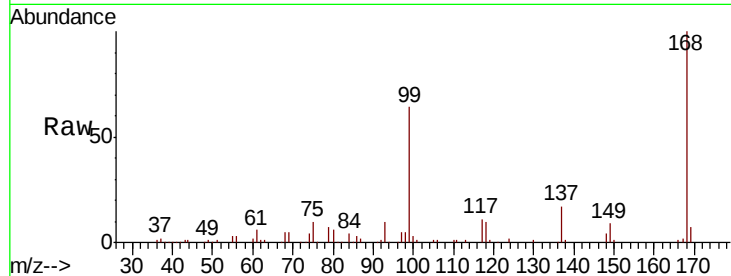




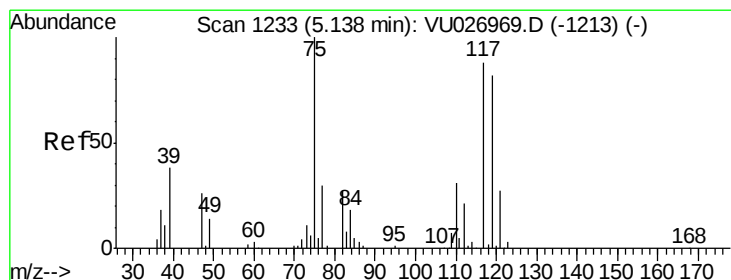
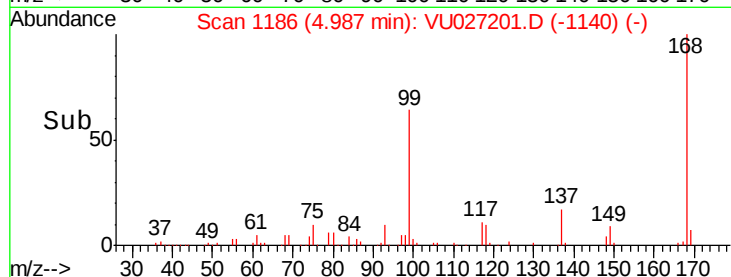
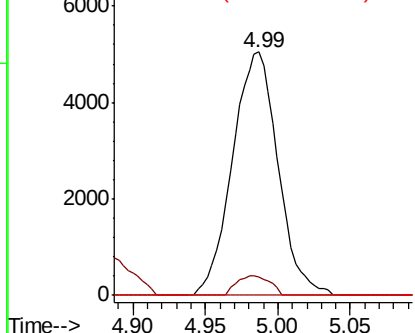
#36
 1,1-Dichloropropene
 Concen: 4.449 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

Tgt Ion: 75 Resp: 11015
 Ion Ratio Lower Upper
 75 100
 110 5.8 16.1 48.2#
 77 0.0 24.6 36.8#

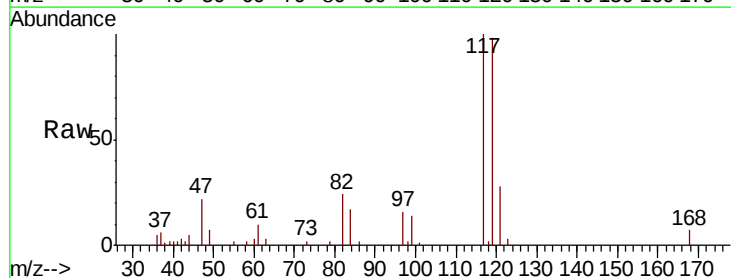


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

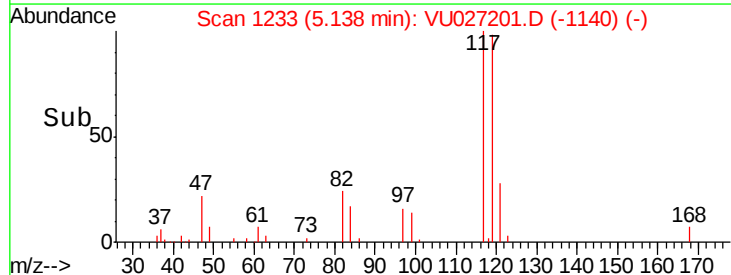
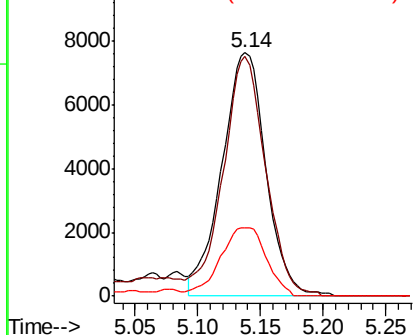


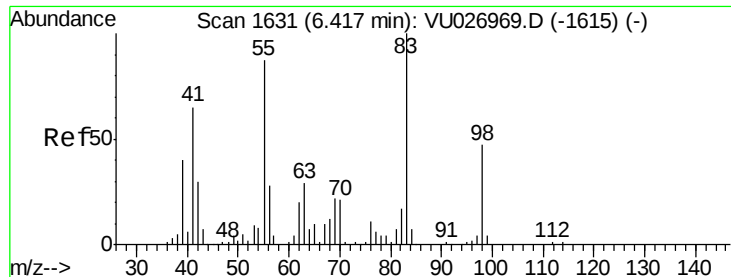
#38
 Carbon Tetrachloride
 Concen: 7.911 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 117 Resp: 18636
 Ion Ratio Lower Upper
 117 100
 119 98.5 74.4 111.6
 121 27.9 24.2 36.4



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

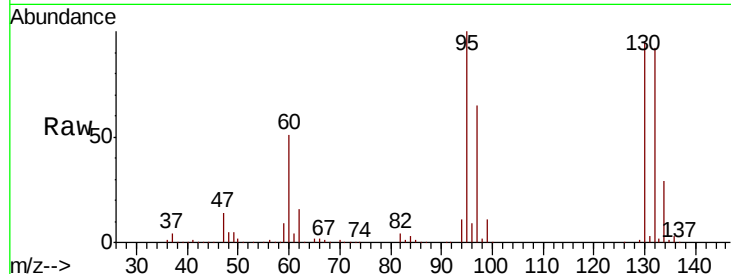




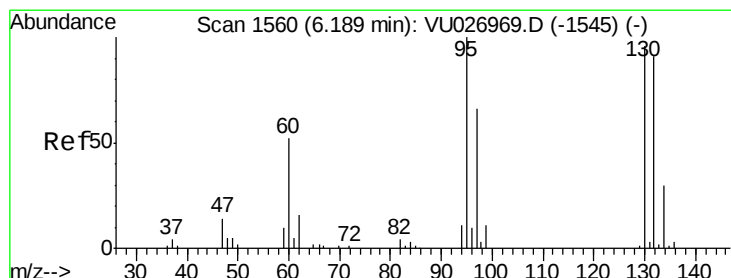
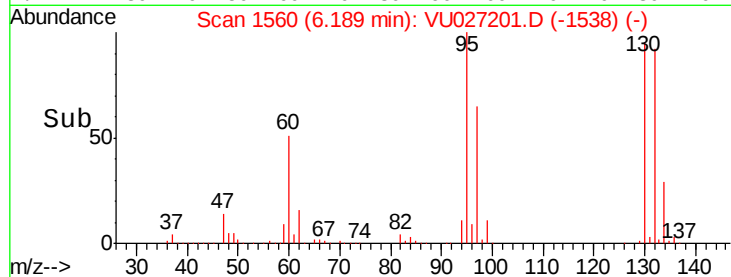
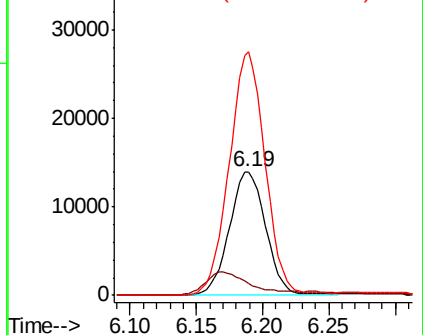
#39
Methylcyclohexane
Concen: 9.893 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. -0.23 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

Tgt Ion: 83 Resp: 26614
Ion Ratio Lower Upper
83 100
55 7.8 69.9 104.9#
98 196.5 37.5 56.3#

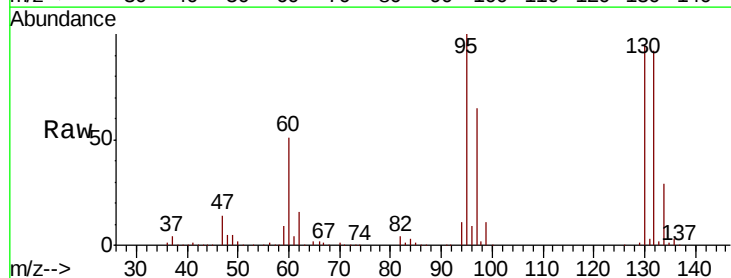


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

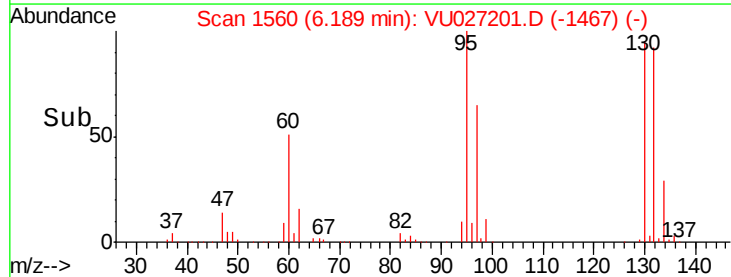
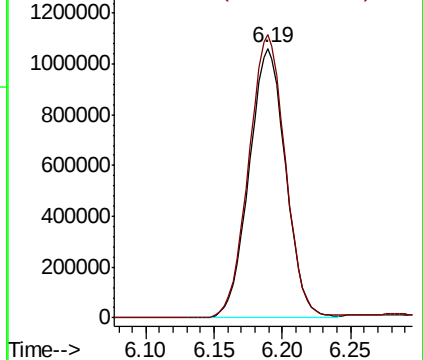


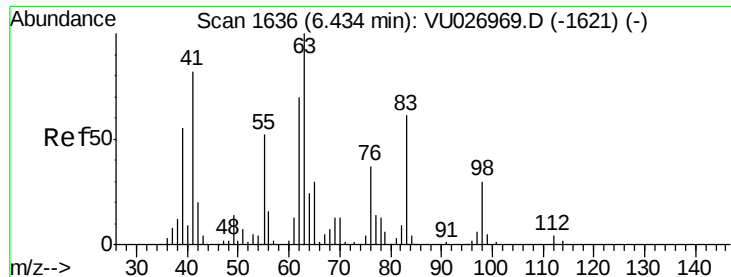
#44
Trichloroethene
Concen: 1234.616 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 130 Resp: 1978050
Ion Ratio Lower Upper
130 100
95 105.1 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0

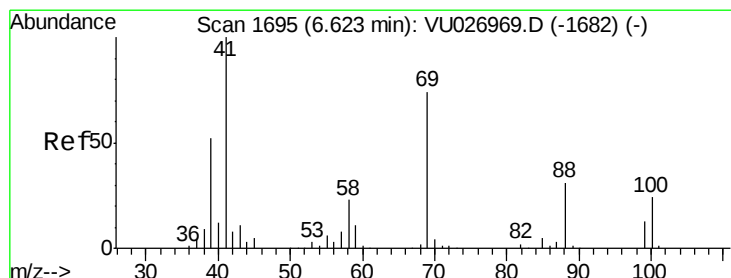
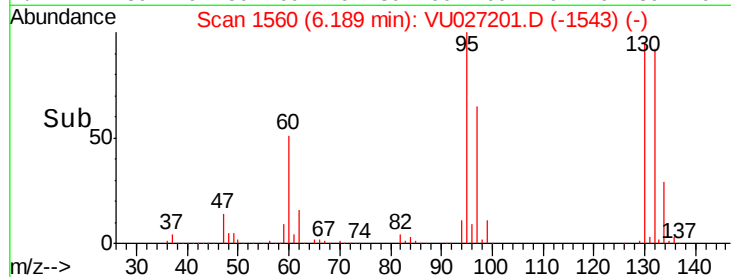
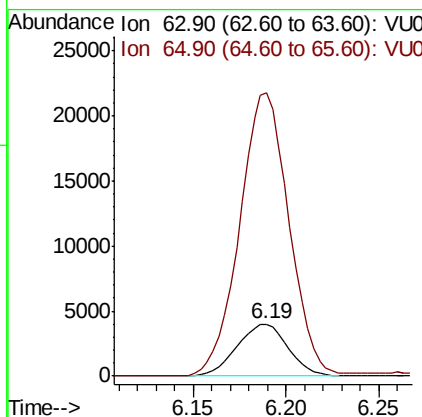
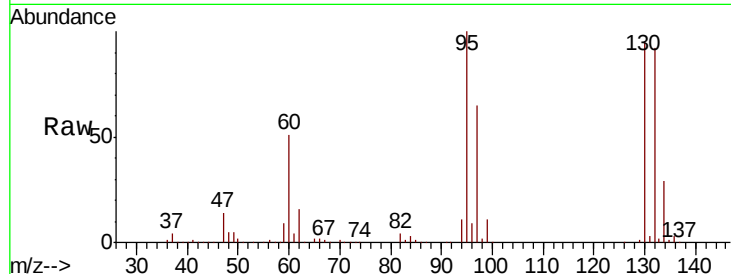




#45
 1,2-Dichloropropane
 Concen: 3.571 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. -0.24 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

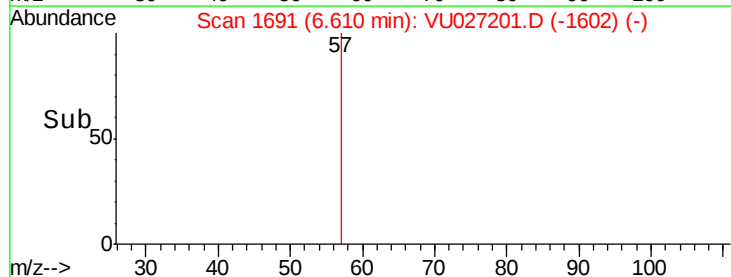
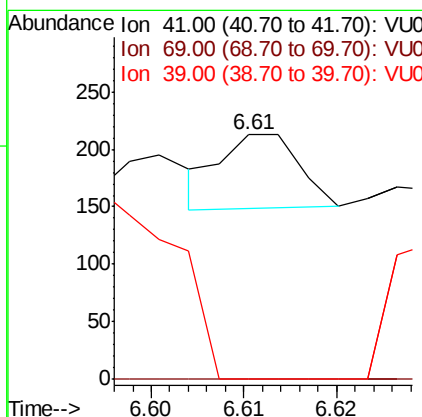
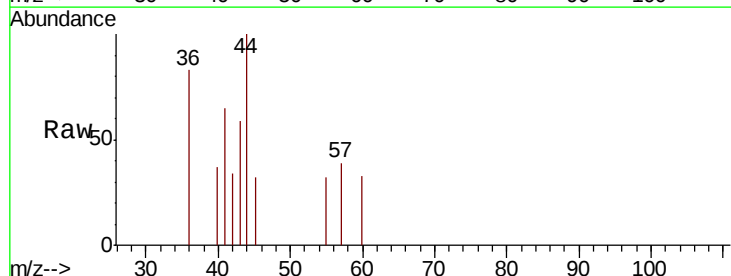
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

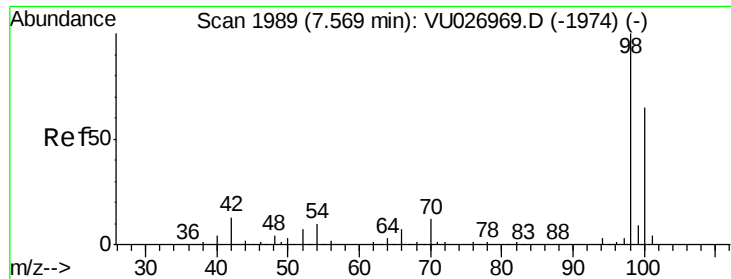
Tgt Ion: 63 Resp: 7658
 Ion Ratio Lower Upper
 63 100
 65 544.0 24.3 36.5#



#48
 Methyl methacrylate
 Concen: 1.025 ug/l
 RT: 6.61 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 41 Resp: 37
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.6 90.8#
 39 0.0 42.8 64.2#

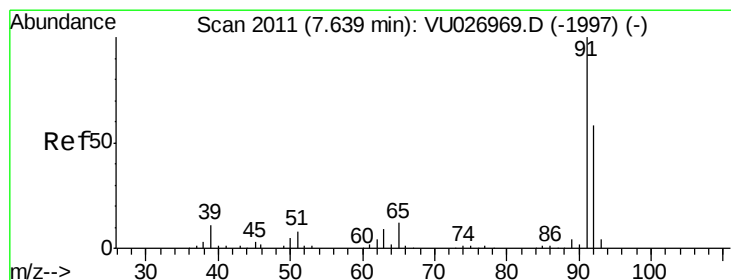
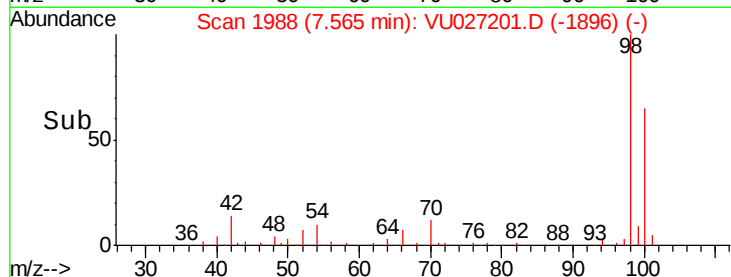
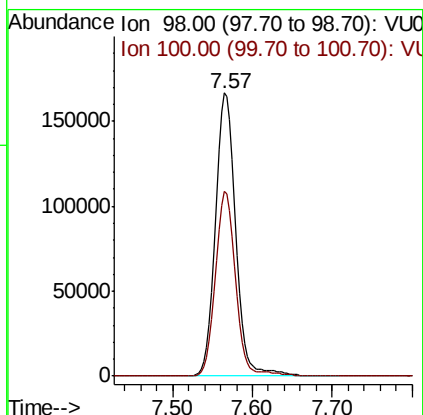
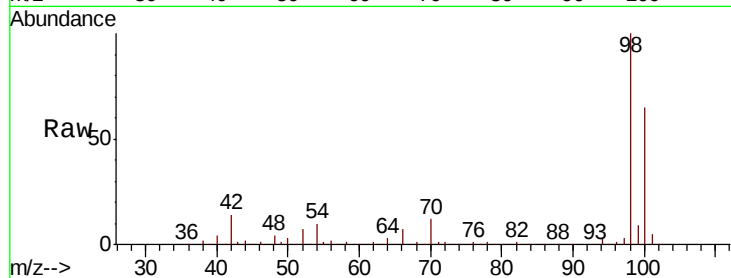




#50
Toluene-d8
Concen: 48.326 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

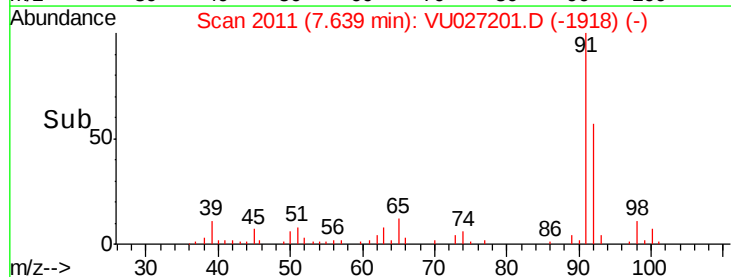
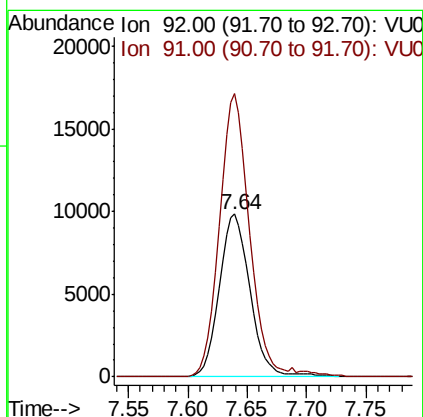
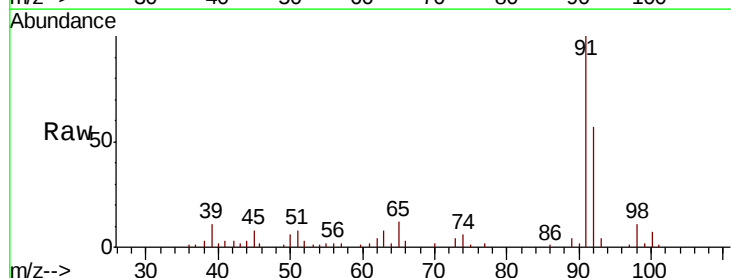
Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

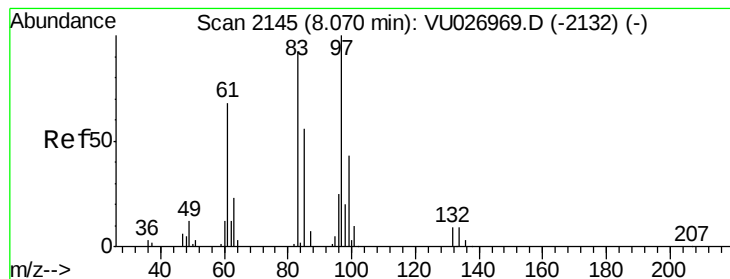
Tgt Ion: 98 Resp: 296121
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



#52
Toluene
Concen: 4.112 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 92 Resp: 17739
Ion Ratio Lower Upper
92 100
91 166.6 136.4 204.6





#55

1,1,2-Trichloroethane

Concen: 3.874 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.16 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

Tgt Ion: 97 Resp: 7082

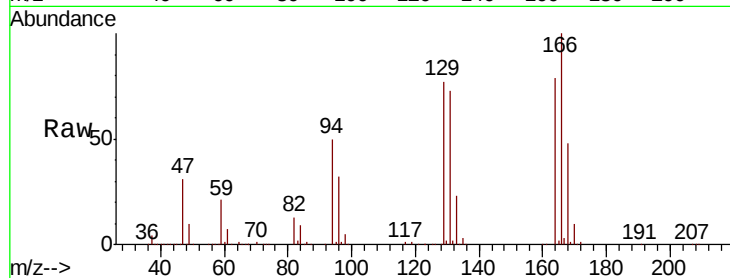
Ion Ratio Lower Upper

97 100

83 315.2 73.1 109.7#

85 42.9 46.7 70.1#

99 18.5 50.0 75.0#



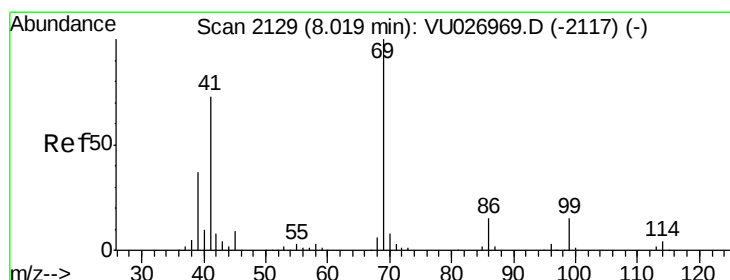
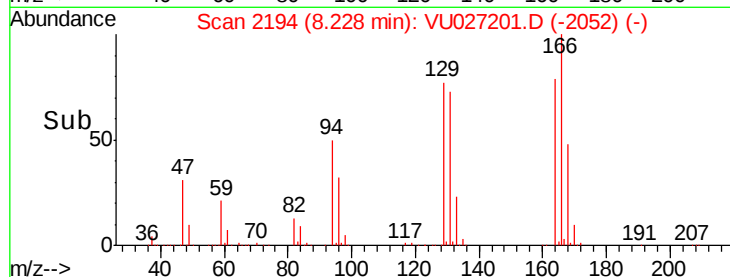
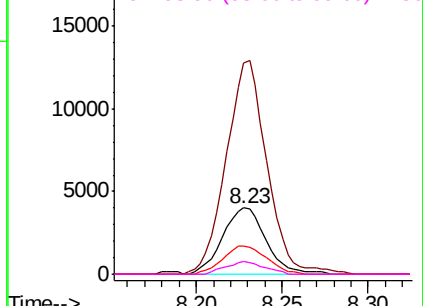
Abundance

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: 2.275 ug/l

RT: 8.12 min Scan# 2160

Delta R.T. 0.10 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

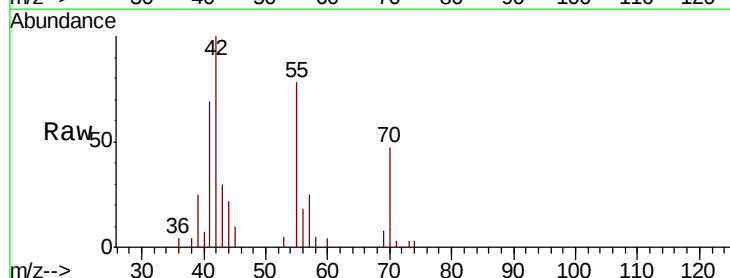
Tgt Ion: 69 Resp: 272

Ion Ratio Lower Upper

69 100

41 3129.0 59.0 88.4#

39 1061.8 30.2 45.4#

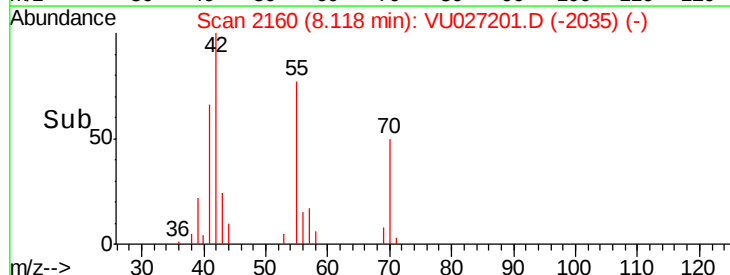
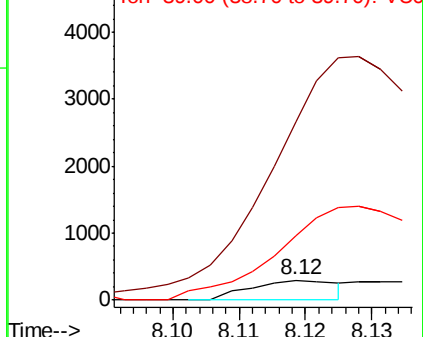


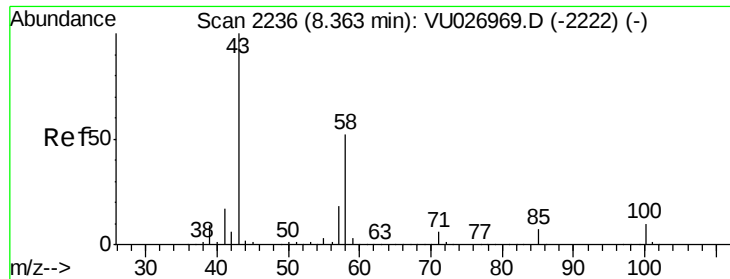
Abundance

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

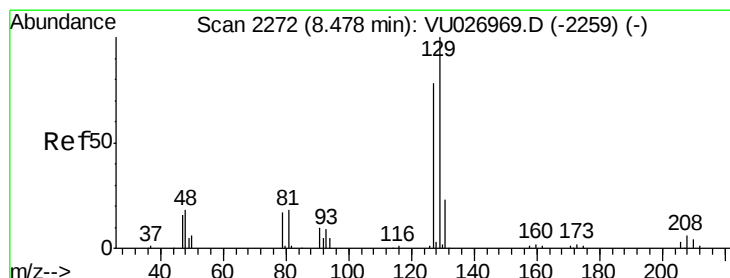
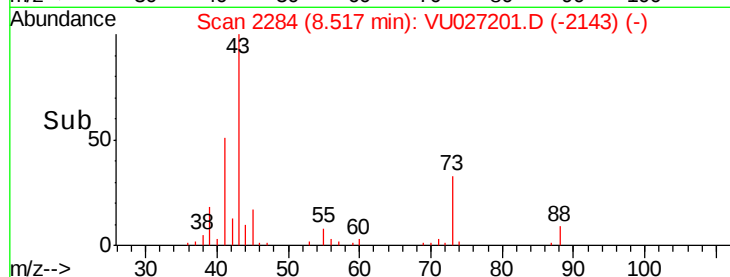
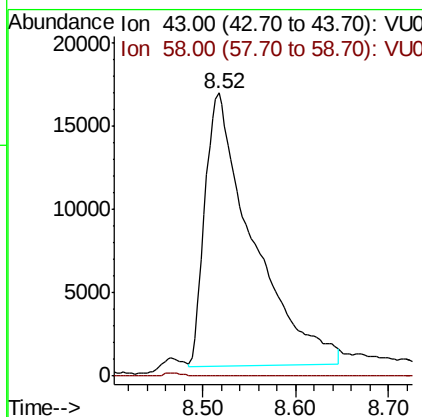
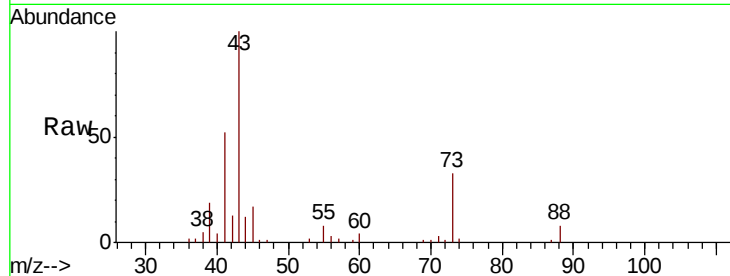




#59
 2-Hexanone
 Concen: 22.898 ug/l
 RT: 8.52 min Scan# 2284
 Delta R.T. 0.15 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

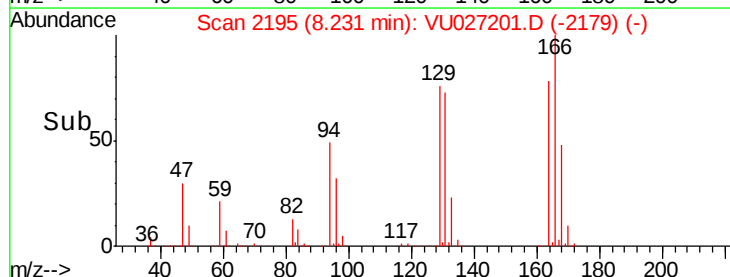
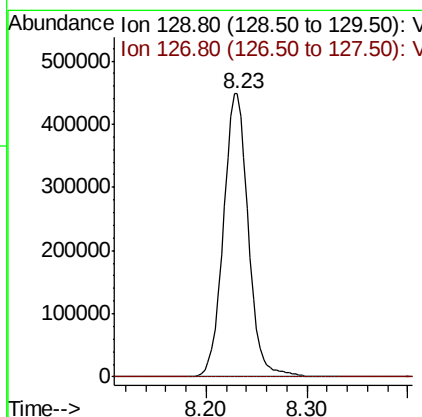
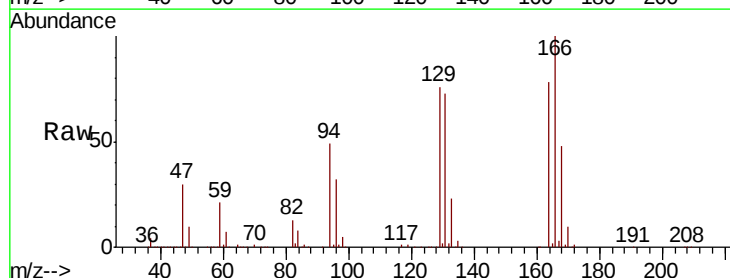
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

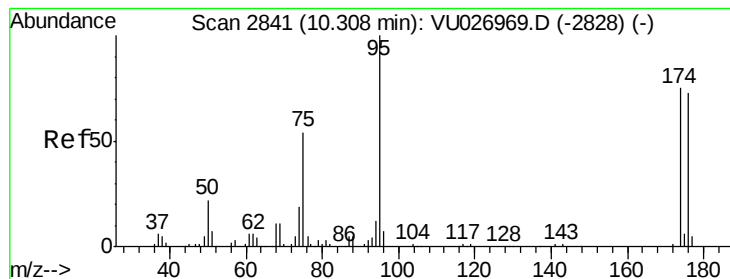
Tgt Ion: 43 Resp: 58919
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.1 78.2#



#60
 Dibromochloromethane
 Concen: 429.999 ug/l
 RT: 8.23 min Scan# 2195
 Delta R.T. -0.25 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 129 Resp: 770956
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.5#





#62

4-Bromofluorobenzene

Concen: 53.605 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

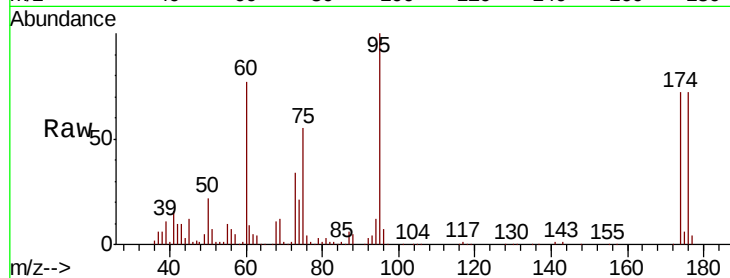
Tgt Ion: 95 Resp: 112707

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.2

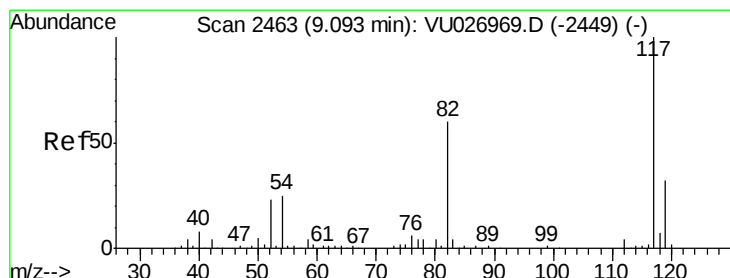
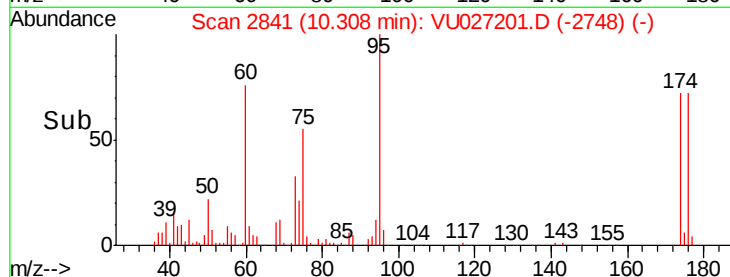
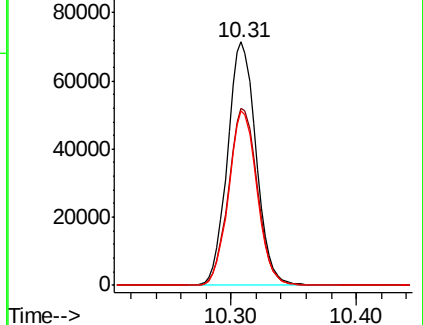
176 71.2 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

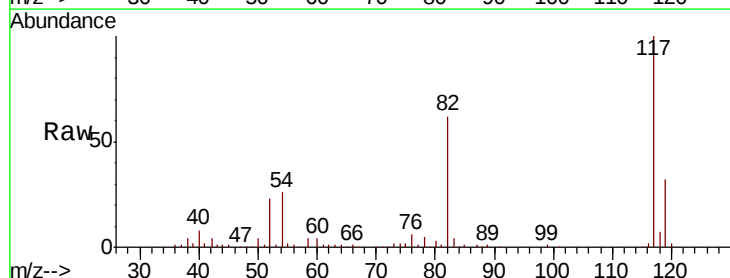
Tgt Ion: 117 Resp: 188753

Ion Ratio Lower Upper

117 100

82 62.2 48.0 72.0

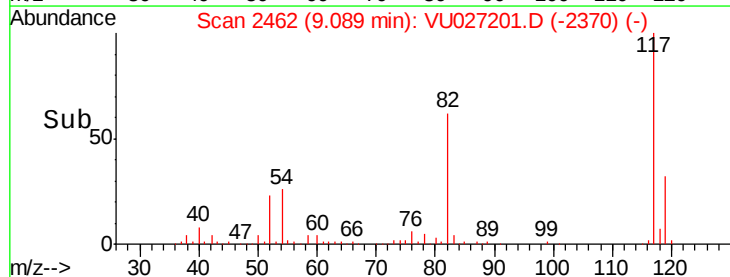
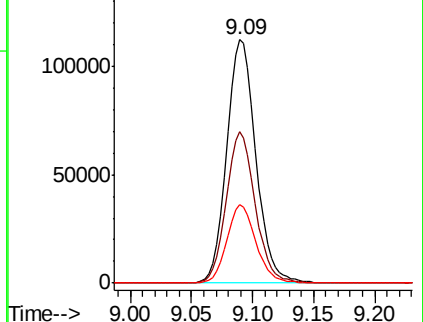
119 32.1 25.8 38.8

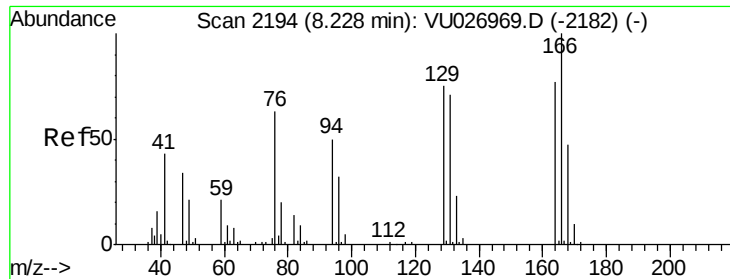


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)

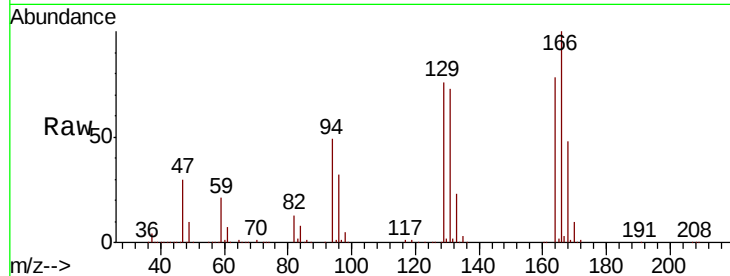




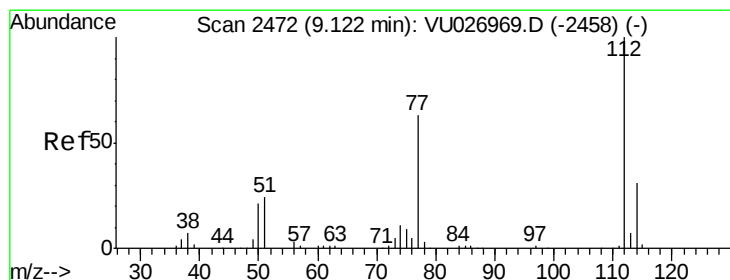
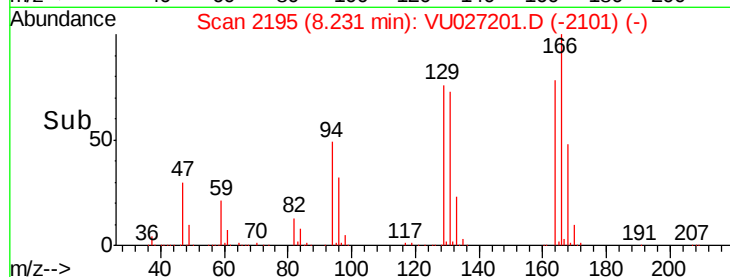
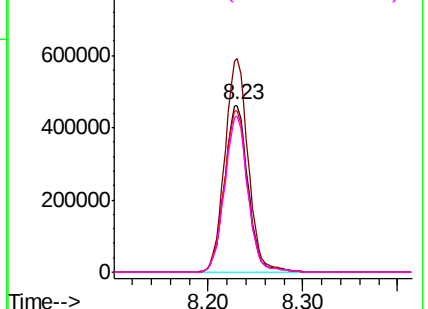
#64
Tetrachloroethene
Concen: 546.990 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

Tgt Ion:164 Resp: 795583
Ion Ratio Lower Upper
164 100
166 128.0 104.4 156.6
129 97.0 78.7 118.1
131 93.3 73.9 110.9

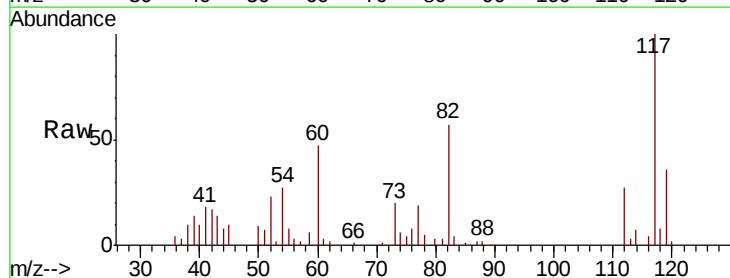


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

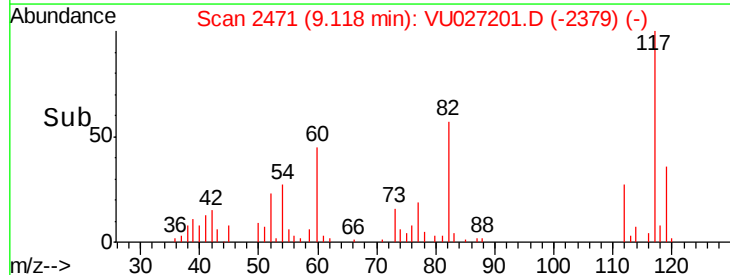
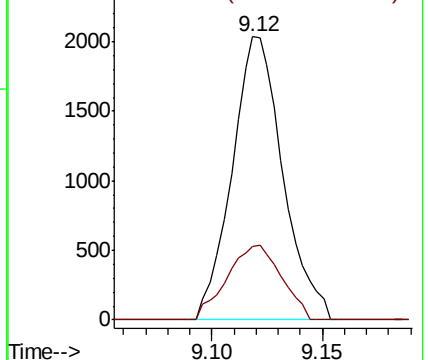


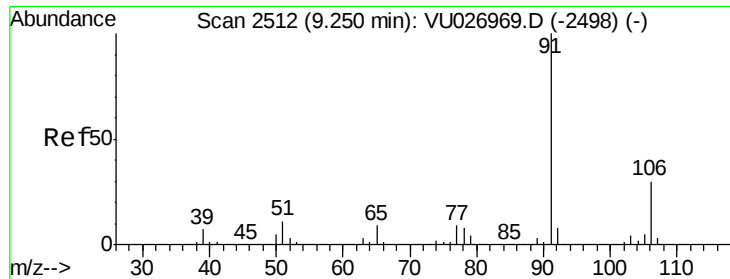
#65
Chlorobenzene
Concen: 0.650 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion:112 Resp: 3254
Ion Ratio Lower Upper
112 100
114 26.1 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

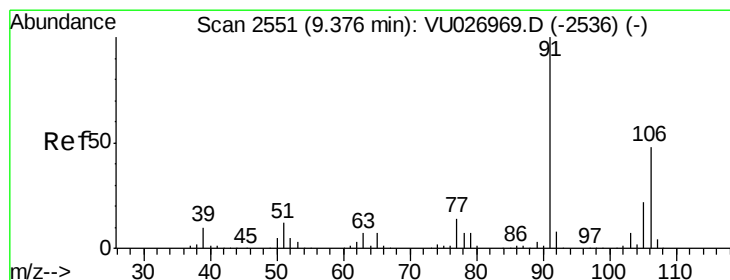
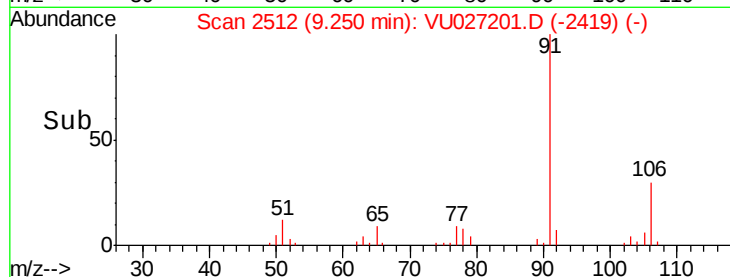
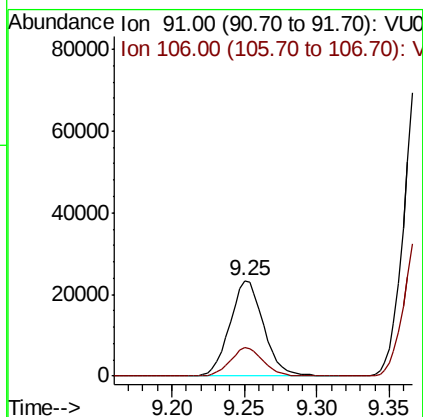
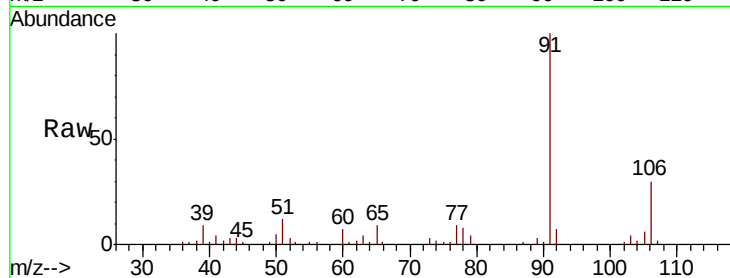




#67
Ethyl Benzene
Concen: 4.583 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

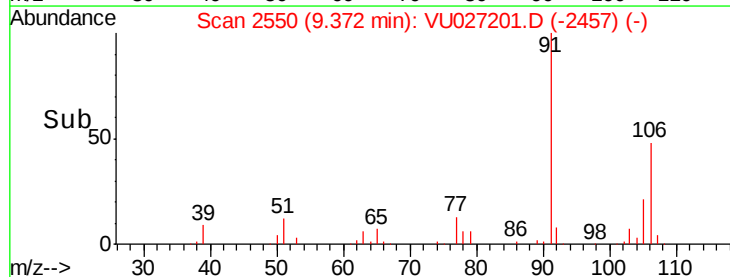
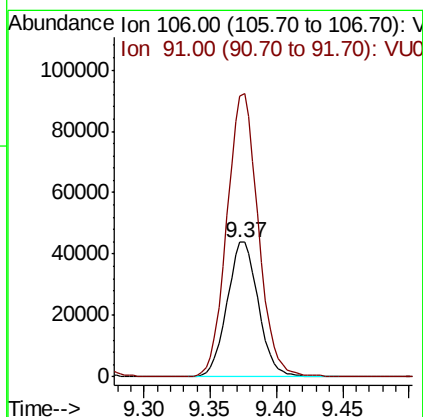
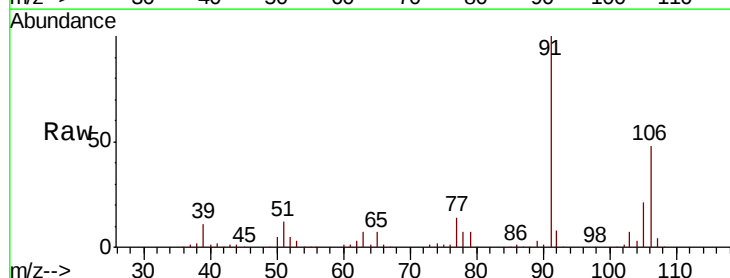
Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

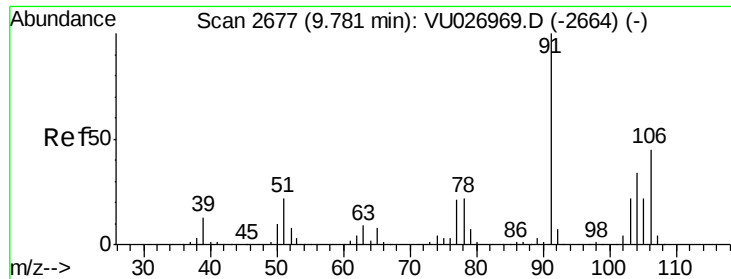
Tgt Ion: 91 Resp: 37719
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8



#68
m/p-Xylenes
Concen: 22.832 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion: 106 Resp: 72179
Ion Ratio Lower Upper
106 100
91 210.6 166.5 249.7

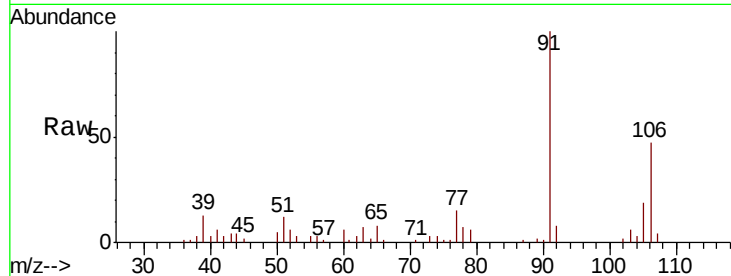




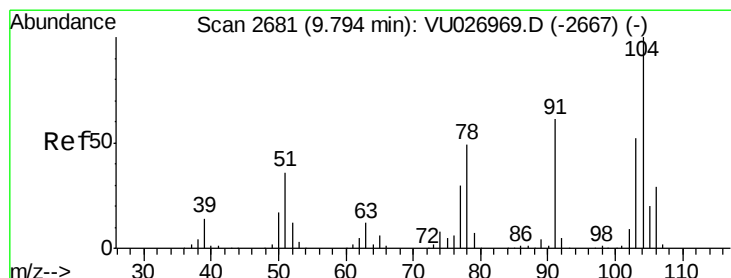
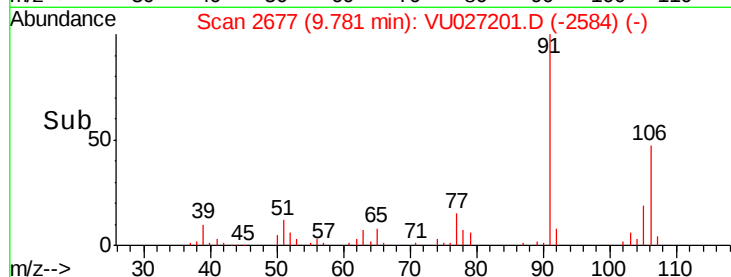
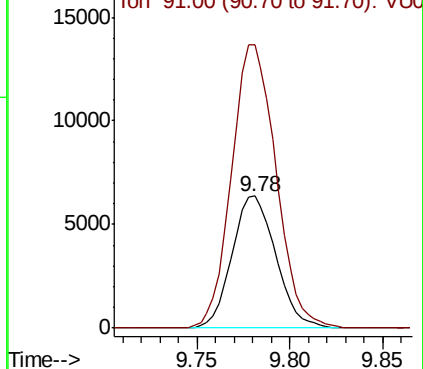
#69
o-Xylene
Concen: 3.590 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Instrument :
MSVOA_U
ClientSampleId :
MW-36-SEP18

Tgt Ion:106 Resp: 10467
Ion Ratio Lower Upper
106 100
91 216.9 110.2 330.6

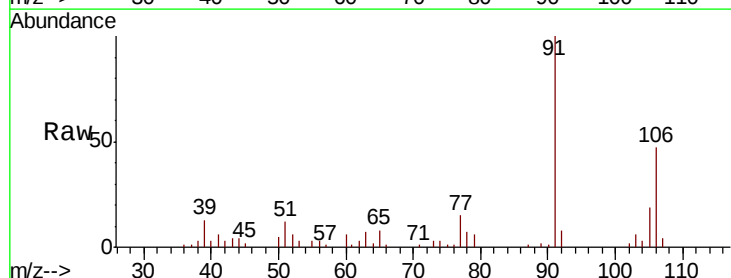


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

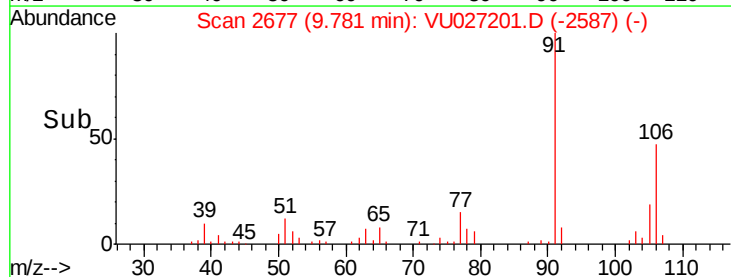
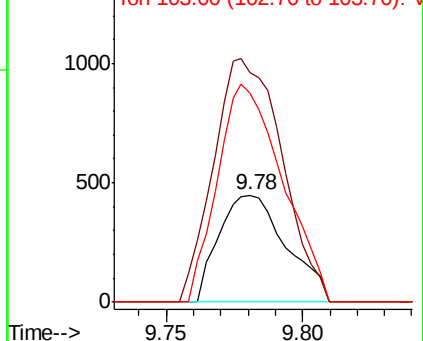


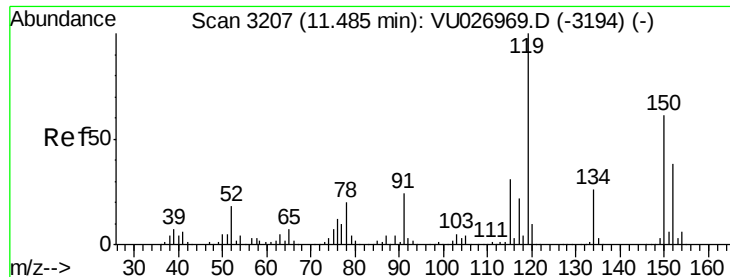
#70
Styrene
Concen: 1.946 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VU027201.D
Acq: 27 Sep 2018 01:11

Tgt Ion:104 Resp: 768
Ion Ratio Lower Upper
104 100
78 231.9 43.0 64.4#
103 197.3 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: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

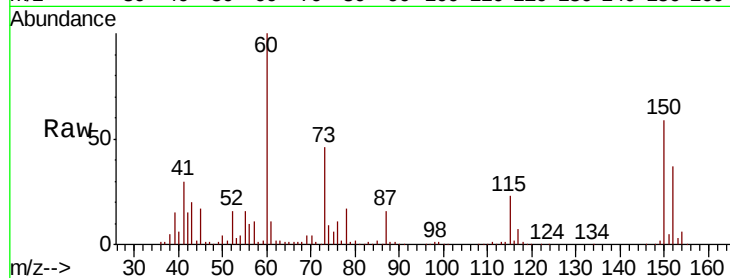
Tgt Ion:152 Resp: 99984

Ion Ratio Lower Upper

152 100

115 61.1 44.9 134.5

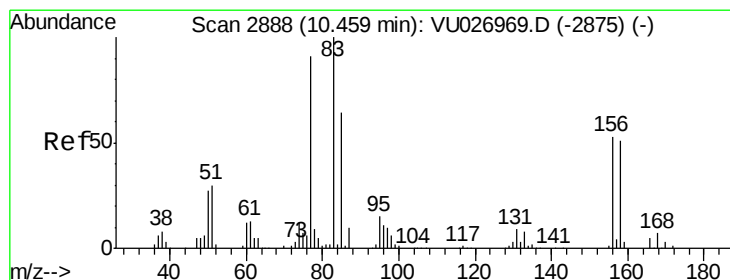
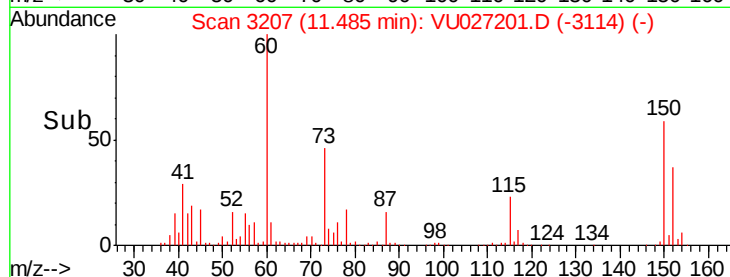
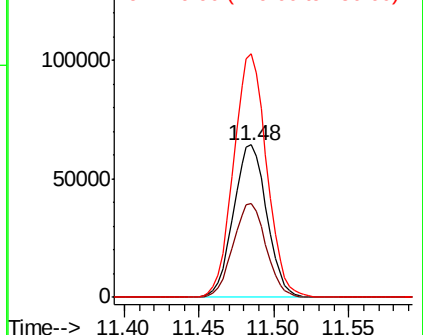
150 158.8 0.0 355.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.320 ug/l

RT: 10.30 min Scan# 2838

Delta R.T. -0.16 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

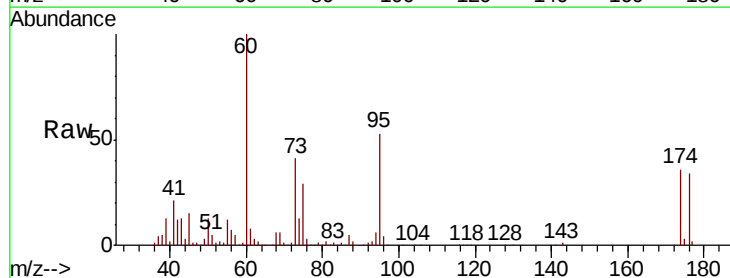
Tgt Ion: 83 Resp: 1119

Ion Ratio Lower Upper

83 100

131 9.0 4.3 12.8

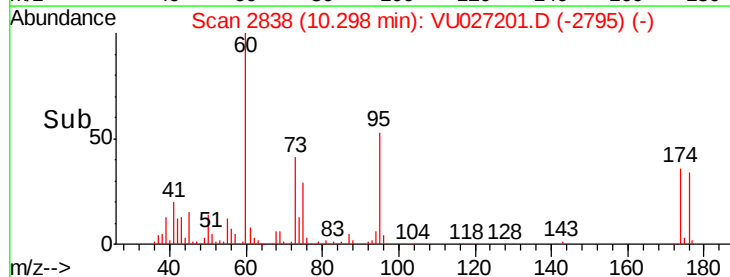
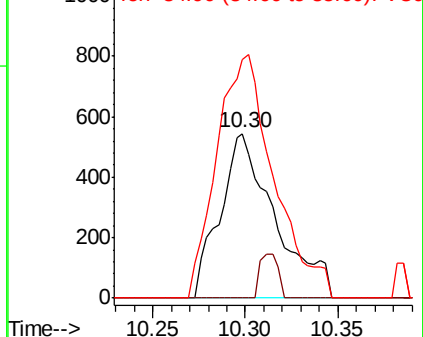
85 154.5 31.9 95.7#

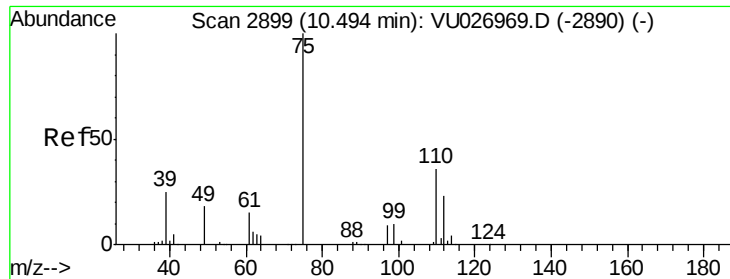


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

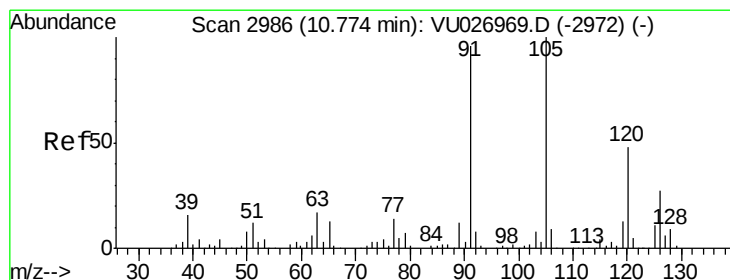
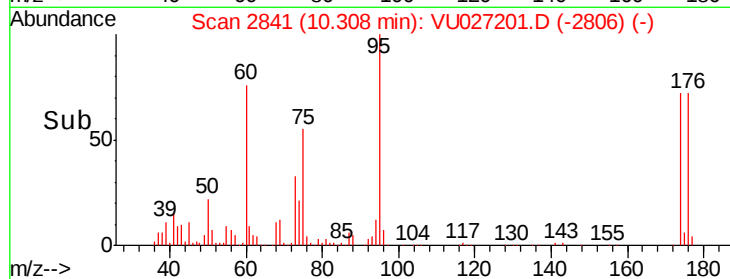
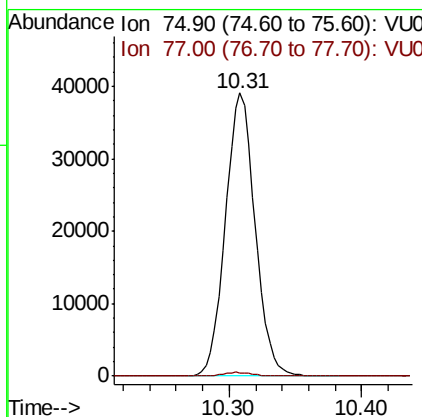
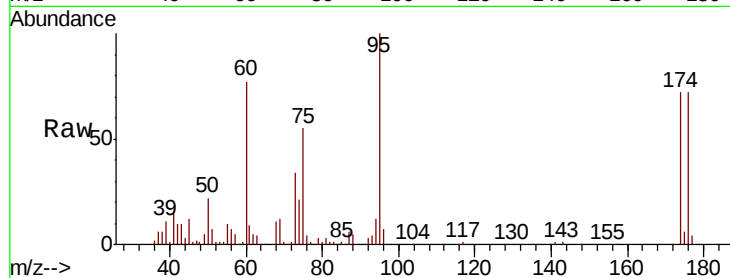




#76
 1,2,3-Trichloropropane
 Concen: 20.016 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

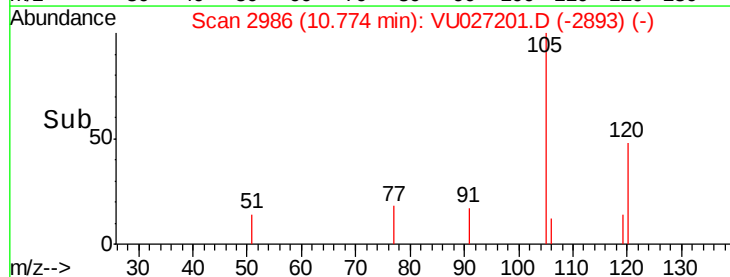
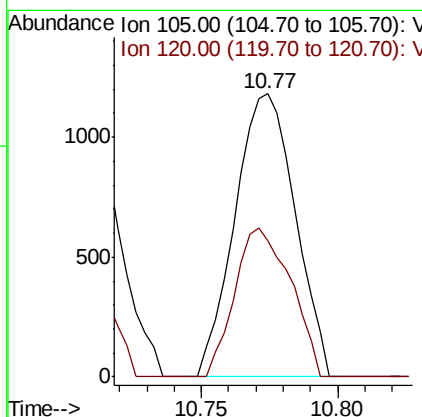
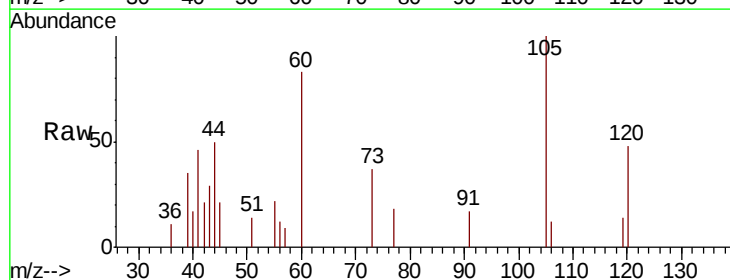
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

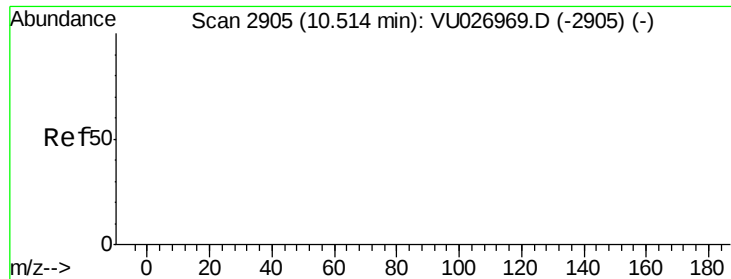
Tgt Ion: 75 Resp: 60798
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.288 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 105 Resp: 1811
 Ion Ratio Lower Upper
 105 100
 120 49.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 64.054 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

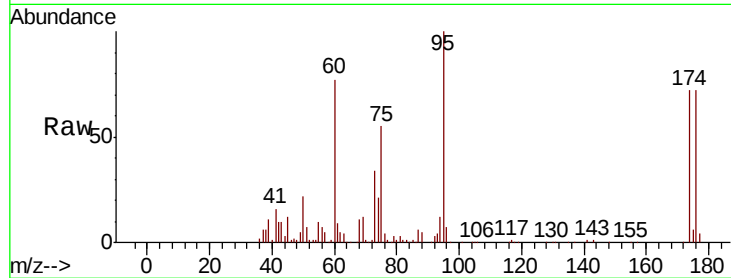
Tgt Ion: 75 Resp: 60798

Ion Ratio Lower Upper

75 100

53 4.8 0.0 0.0#

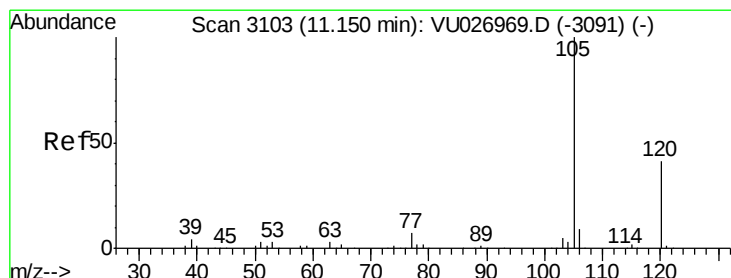
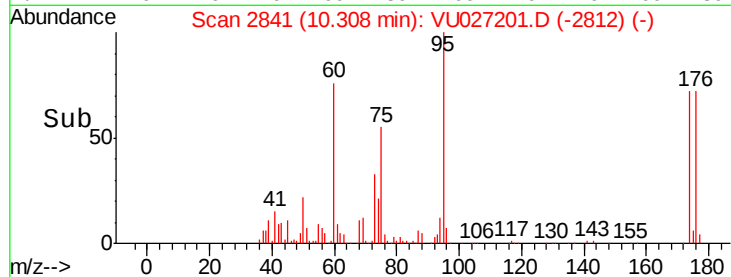
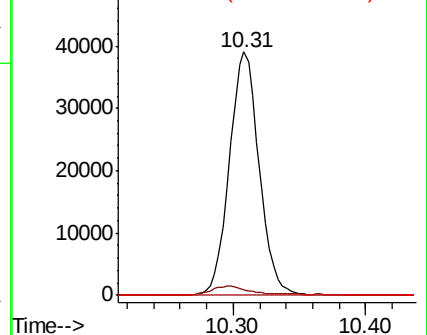
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2905) (-)

Ion 53.00 (52.70 to 53.70): VU026969.D (-2905) (-)

Ion 88.90 (88.60 to 89.60): VU026969.D (-2905) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.784 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU027201.D

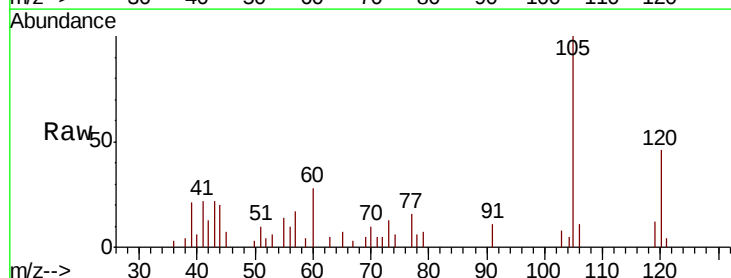
Acq: 27 Sep 2018 01:11

Tgt Ion: 105 Resp: 5007

Ion Ratio Lower Upper

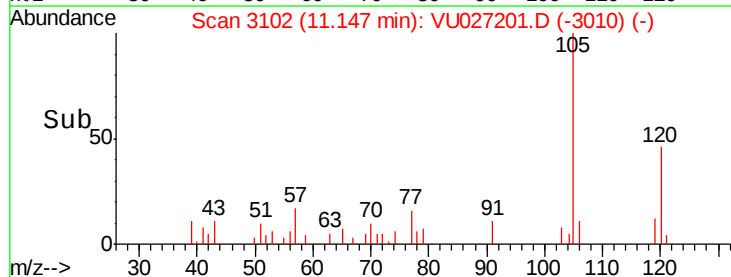
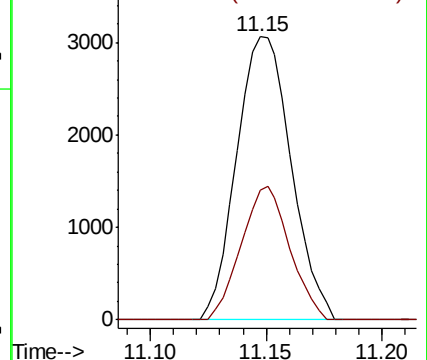
105 100

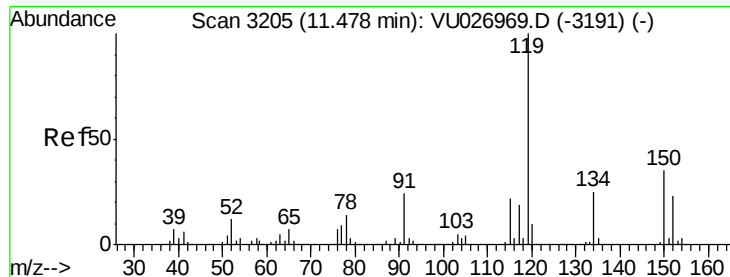
120 41.8 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-3091) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-3091) (-)





#86

p-Isopropyltoluene

Concen: 0.961 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

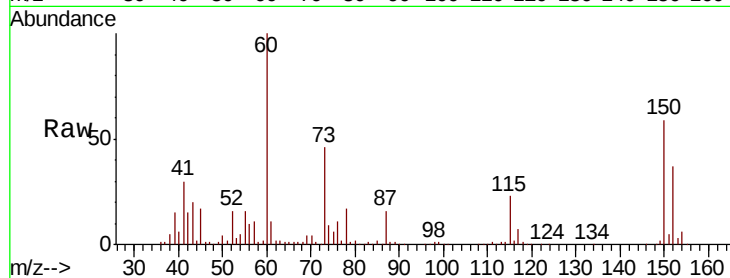
Tgt Ion:119 Resp: 242

Ion Ratio Lower Upper

119 100

134 52.5 12.8 38.3#

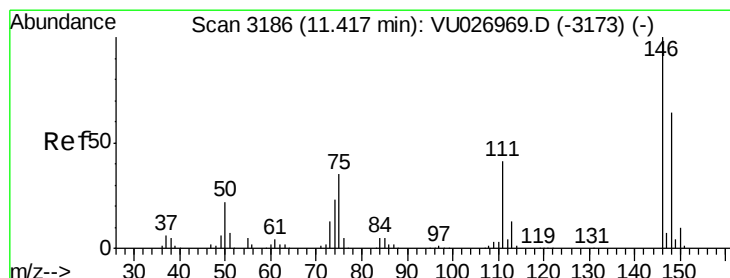
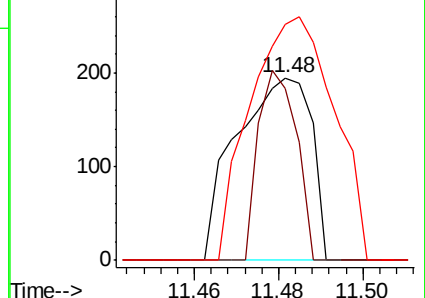
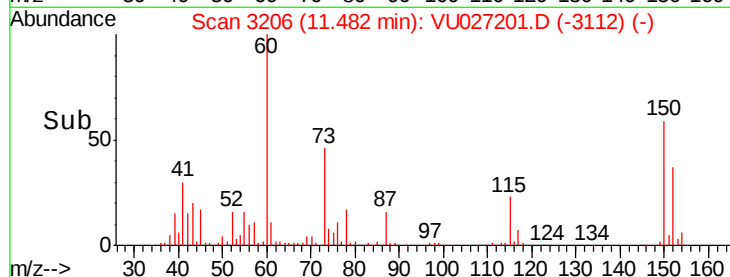
91 148.8 12.3 36.8#



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: 0.290 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

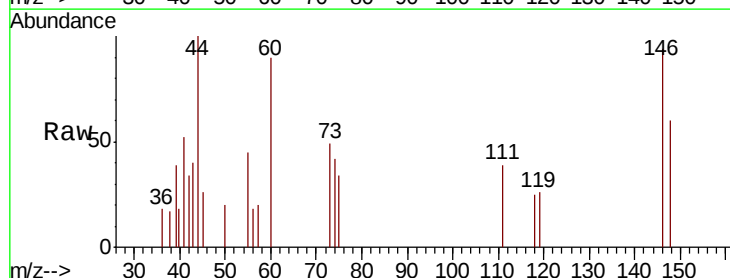
Tgt Ion:146 Resp: 1004

Ion Ratio Lower Upper

146 100

111 37.6 20.8 62.2

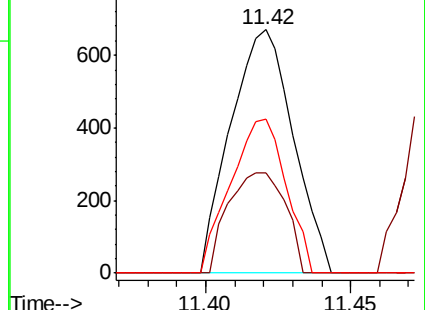
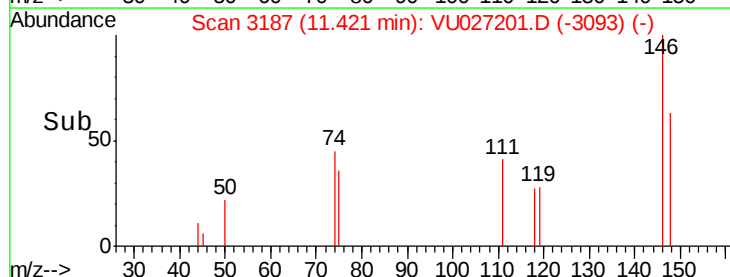
148 56.1 32.0 96.2

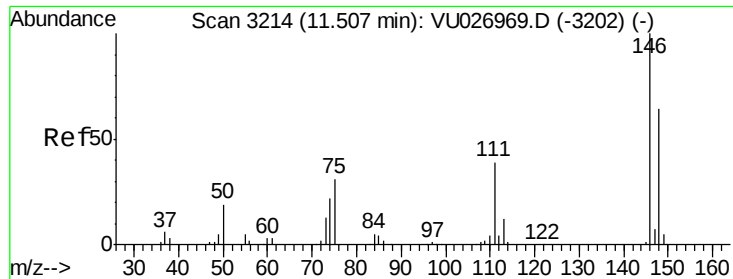


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

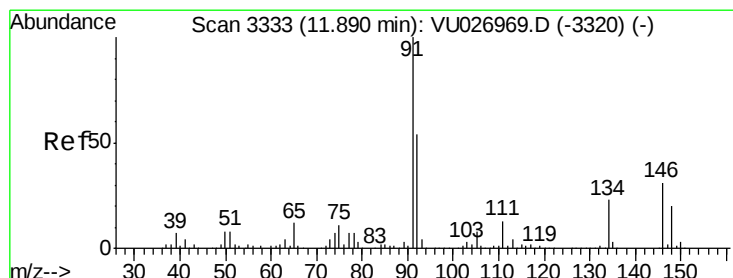
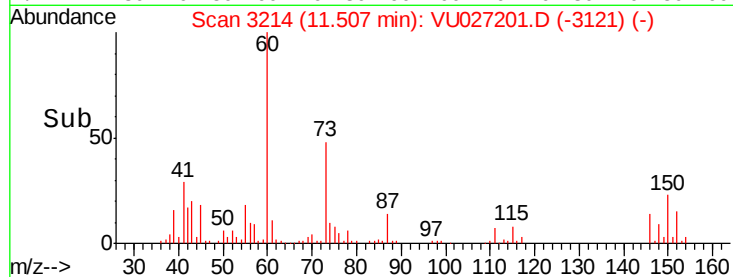
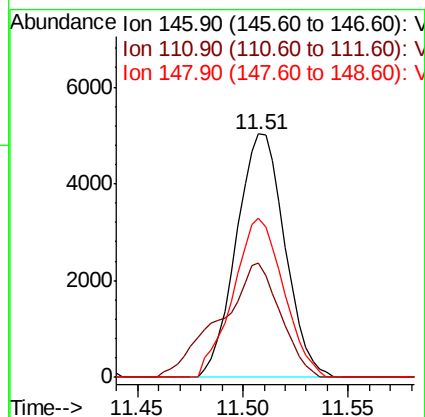
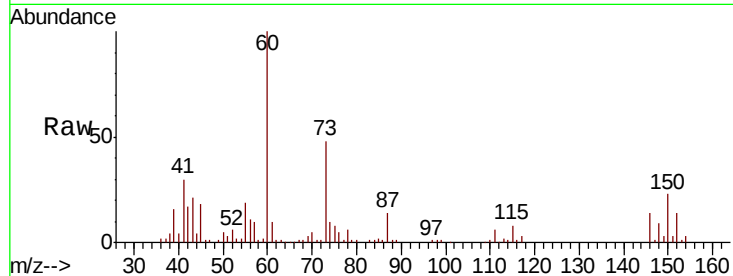




#88
 1,4-Dichlorobenzene
 Concen: 2.127 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

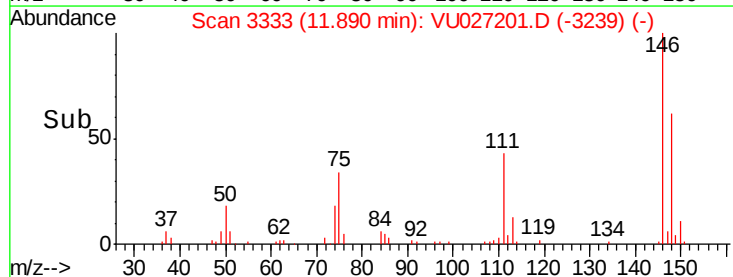
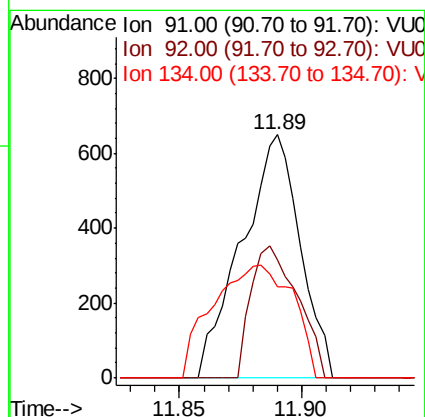
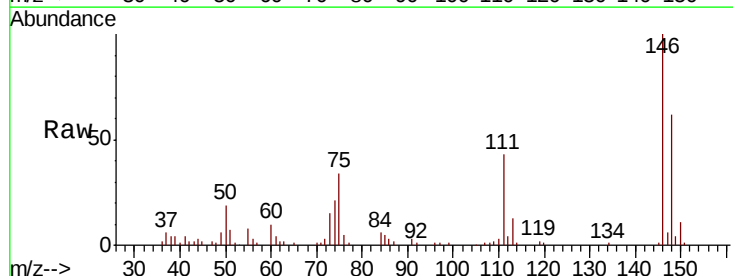
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-36-SEP18

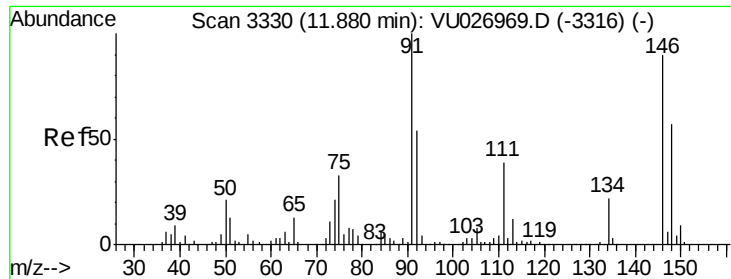
Tgt Ion:146 Resp: 8017
 Ion Ratio Lower Upper
 146 100
 111 58.3 20.3 60.9
 148 68.0 31.9 95.9



#89
 n-Butylbenzene
 Concen: 2.541 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027201.D
 Acq: 27 Sep 2018 01:11

Tgt Ion: 91 Resp: 1078
 Ion Ratio Lower Upper
 91 100
 92 43.1 27.1 81.2
 134 63.7 11.7 35.0#





#91

1,2-Dichlorobenzene

Concen: 15.282 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

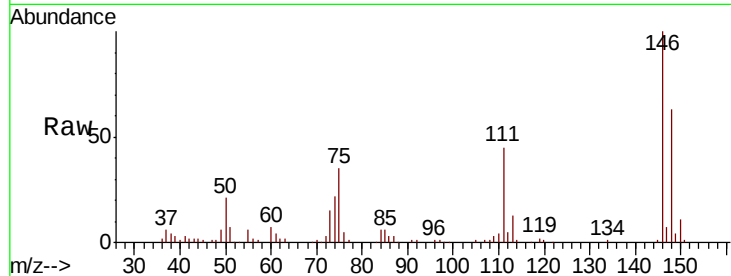
Tgt Ion:146 Resp: 56146

Ion Ratio Lower Upper

146 100

111 44.4 21.8 65.3

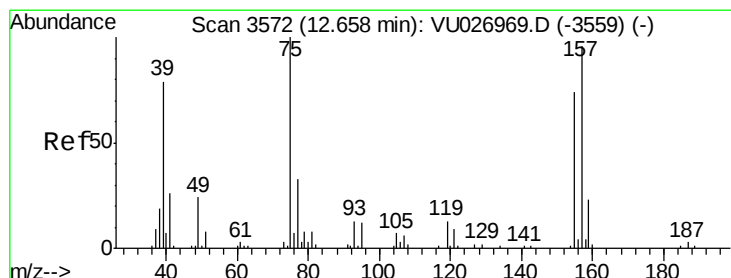
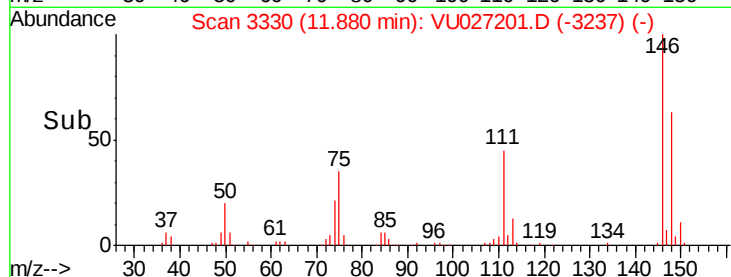
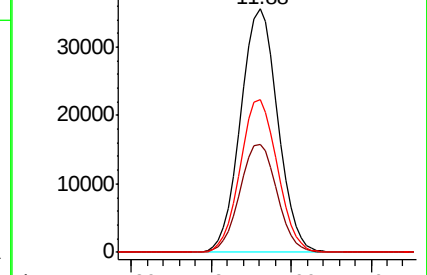
148 62.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.494 ug/l

RT: 12.57 min Scan# 3544

Delta R.T. -0.09 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

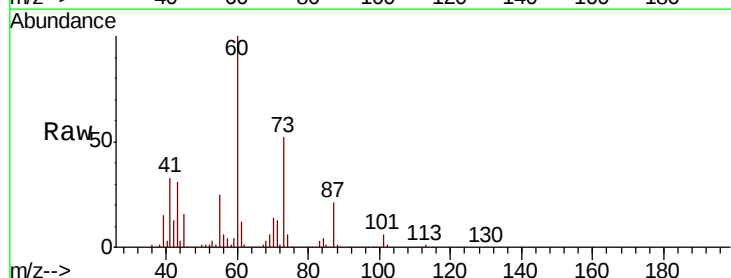
Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.8#

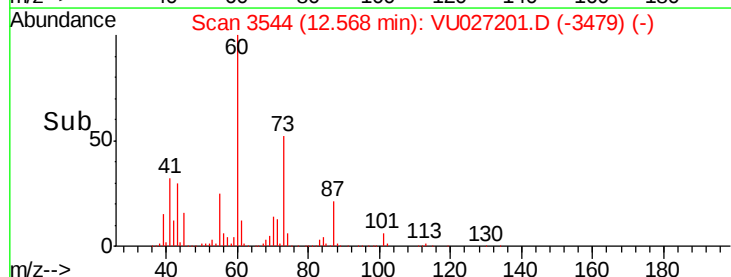
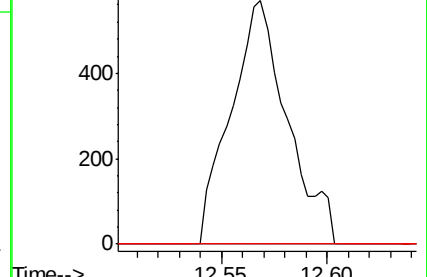
157 0.0 47.4 142.2#

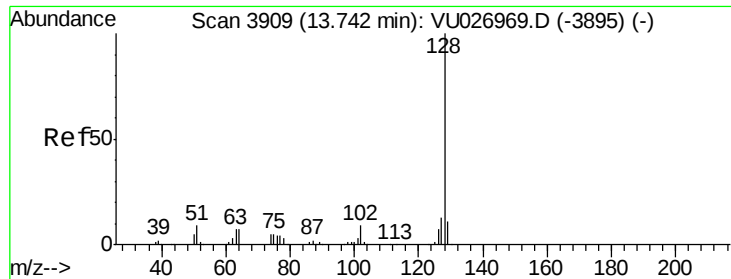


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 11.634 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027201.D

Acq: 27 Sep 2018 01:11

Instrument :

MSVOA_U

ClientSampleId :

MW-36-SEP18

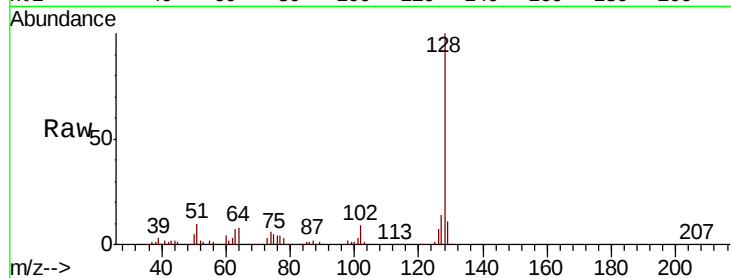
Tgt Ion:128 Resp: 85203

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

