

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025200.D
 Acq On : 03 Jul 2018 19:39
 Operator : MD/SY
 Sample : J3760-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MS

Quant Time: Jul 04 05:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	156659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	247630	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	230965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	140532	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	127023	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	4.89	113	105796	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	7.57	98	333584	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	
62) 4-Bromofluorobenzene	10.31	95	143928	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	80080	40.839	ug/l	97
3) Chloromethane	1.33	50	86131	42.994	ug/l	99
4) Vinyl Chloride	1.40	62	108480	52.507	ug/l	100
5) Bromomethane	1.62	94	55067	55.137	ug/l	100
6) Chloroethane	1.69	64	64533	56.026	ug/l	97
7) Trichlorofluoromethane	1.89	101	159655	50.637	ug/l	99
8) Diethyl Ether	2.10	74	62141	58.224	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98012	50.107	ug/l	99
10) Methyl Iodide	2.41	142	108816	64.070	ug/l	97
11) Tert butyl alcohol	2.82	59	159679	256.717	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88141	49.412	ug/l	93
13) Acrolein	2.19	56	22581	69.133	ug/l	99
14) Allyl chloride	2.59	41	151704	45.804	ug/l	98
15) Acrylonitrile	2.93	53	338438	279.659	ug/l	99
16) Acetone	2.32	43	318014	231.428	ug/l	98
17) Carbon Disulfide	2.48	76	240593	42.122	ug/l	99
18) Methyl Acetate	2.62	43	200521	68.068	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	364977	54.432	ug/l	95
20) Methylene Chloride	2.70	84	109650	50.855	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	100974	51.395	ug/l	96
22) Diisopropyl ether	3.57	45	349693	53.261	ug/l	97
23) Vinyl Acetate	3.53	43	1452329	246.935	ug/l	99
24) 1,1-Dichloroethane	3.45	63	201021	53.222	ug/l	99
25) 2-Butanone	4.26	43	496773	269.140	ug/l	96
26) 2,2-Dichloropropane	4.23	77	151074	42.124	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	138253	61.209	ug/l	96
28) Bromochloromethane	4.55	49	75263	45.240	ug/l	87
29) Tetrahydrofuran	4.63	42	310407	271.565	ug/l	96
30) Chloroform	4.68	83	215162	56.282	ug/l	97
31) Cyclohexane	5.00	56	174780	52.196	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	190974	54.021	ug/l	96
36) 1,1-Dichloropropene	5.14	75	145700	50.071	ug/l	98
37) Ethyl Acetate	4.38	43	172083	54.259	ug/l	98
38) Carbon Tetrachloride	5.14	117	170341	53.234	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	176451	48.592	ug/l	96
40) Benzene	5.39	78	436006	52.585	ug/l	99
41) Methacrylonitrile	4.54	41	100936	59.028	ug/l	99
42) 1,2-Dichloroethane	5.41	62	180892	57.282	ug/l	99
43) Isopropyl Acetate	5.55	43	280291	51.128	ug/l	100
44) Trichloroethene	6.19	130	117404	49.753	ug/l	96
45) 1,2-Dichloropropane	6.44	63	117142	52.949	ug/l	97
46) Dibromomethane	6.56	93	84152	54.152	ug/l	93
47) Bromodichloromethane	6.76	83	163674	52.893	ug/l	99
48) Methyl methacrylate	6.63	41	148943	55.795	ug/l	98
49) 1,4-Dioxane	6.62	88	65259	1250.059	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	953783	276.929	ug/l	98
52) Toluene	7.64	92	280056	52.500	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	173111	49.815	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	180276	48.685	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	119055	54.905	ug/l	99
56) Ethyl methacrylate	8.02	69	188554	51.953	ug/l	99
57) 1,3-Dichloropropane	8.25	76	202714	55.418	ug/l	100
59) 2-Hexanone	8.36	43	754906	268.476	ug/l	100
60) Dibromochloromethane	8.48	129	137164	50.727	ug/l	98
61) 1,2-Dibromoethane	8.59	107	131045	54.297	ug/l	99
64) Tetrachloroethene	8.23	164	103290	47.048	ug/l	96
65) Chlorobenzene	9.12	112	321906	54.557	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	124265	55.435	ug/l	98
67) Ethyl Benzene	9.25	91	560184	54.157	ug/l	98
68) m/p-Xylenes	9.38	106	433412	109.117	ug/l	97
69) o-Xylene	9.78	106	215035	54.703	ug/l	97
70) Stvrene	9.80	104	344412	53.316	ug/l	99
71) Bromoform	9.96	173	105426	49.480	ug/l #	99
73) Isopropylbenzene	10.17	105	575973	53.383	ug/l	99
74) N-amyl acetate	10.01	43	249578	48.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	200348	55.412	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	231301	74.758	ug/l	85
77) Bromobenzene	10.45	156	149908	54.881	ug/l	94
78) n-propylbenzene	10.59	91	646265	50.847	ug/l	97
79) 2-Chlorotoluene	10.66	91	392877	52.417	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	498211	53.275	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	231301	173.021	ug/l #	100
82) 4-Chlorotoluene	10.78	91	454614	52.112	ug/l	99
83) tert-Butylbenzene	11.10	119	503425	55.963	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	508542	53.361	ug/l	100
85) sec-Butylbenzene	11.33	105	589565	52.358	ug/l	97
86) p-Isopropyltoluene	11.48	119	520660	51.628	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	267087	52.926	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	267532	52.671	ug/l	99
89) n-Butylbenzene	11.89	91	413347	46.166	ug/l	96
90) Hexachloroethane	12.15	117	93356	47.454	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	276826	54.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53075	53.200	ug/l	95
93) 1,2,4-Trichlorobenzene	13.51	180	170281	54.553	ug/l	98

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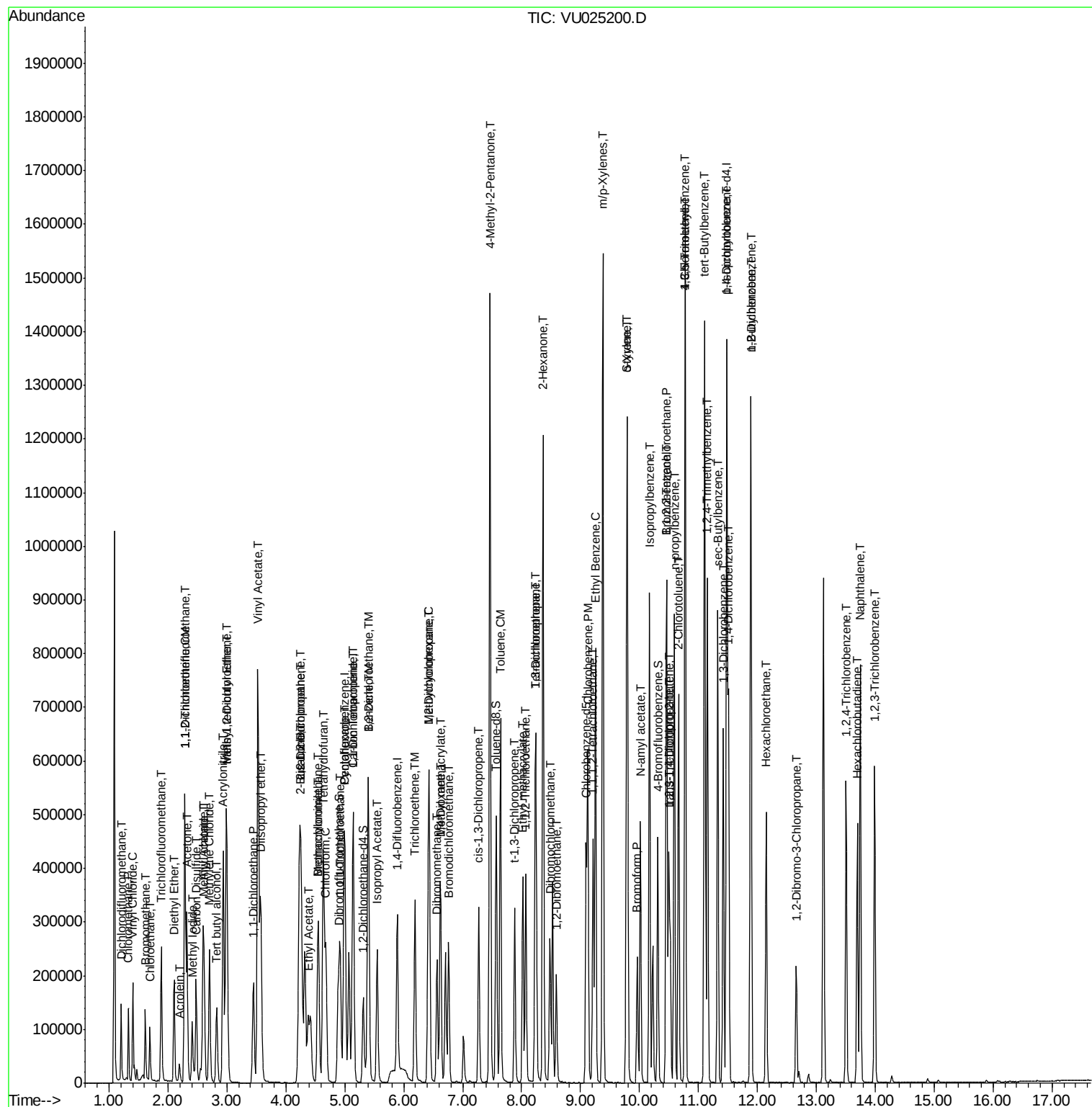
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	90469	51.494	ug/l	99
95) Naphthalene	13.74	128	602073	58.153	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	184124	59.199	ug/l	100

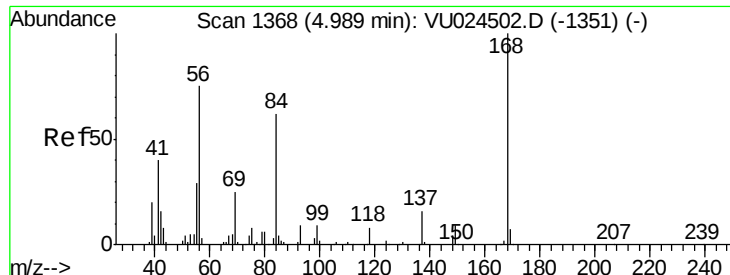
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

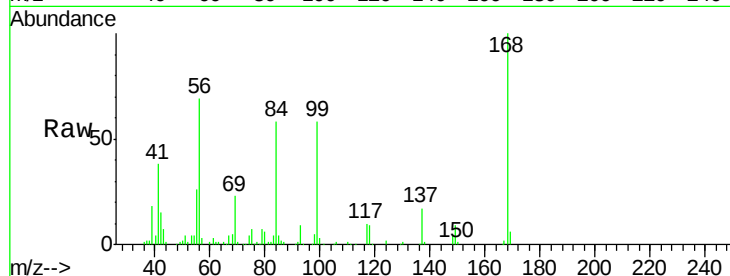
WP021MW011-180627MS

Tot Ion:168 Resp: 156659

Ion Ratio Lower Upper

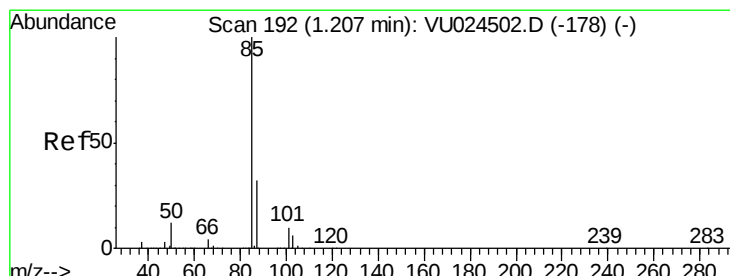
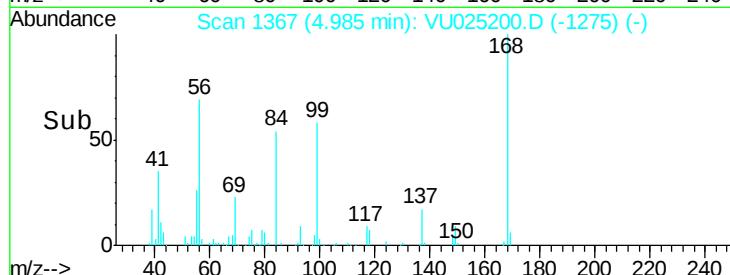
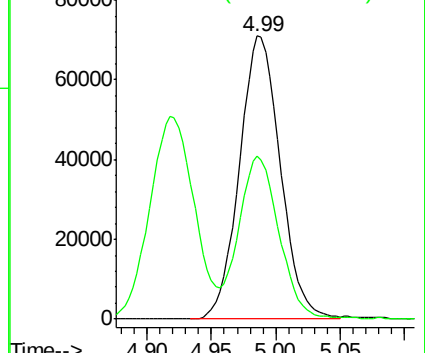
168 100

99 57.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.839 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025200.D

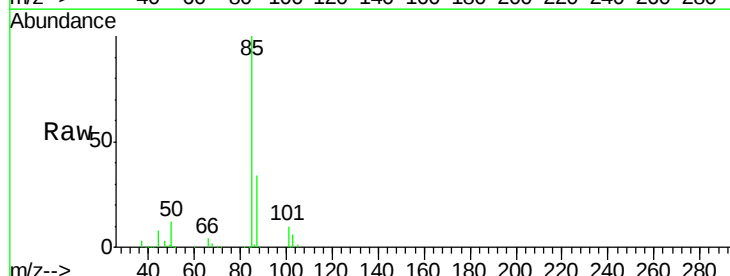
Acq: 03 Jul 2018 19:39

Tgt Ion: 85 Resp: 80080

Ion Ratio Lower Upper

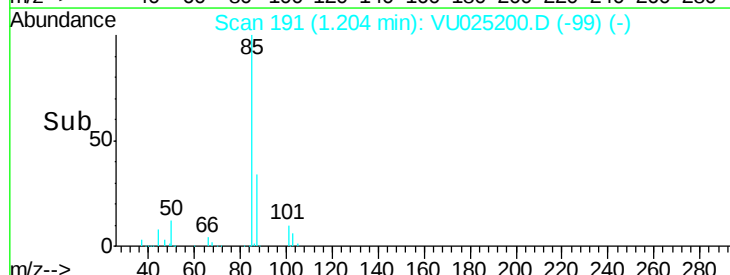
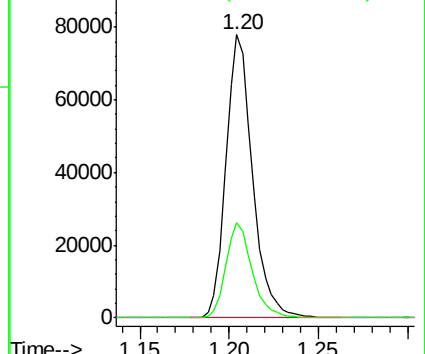
85 100

87 33.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 42.994 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

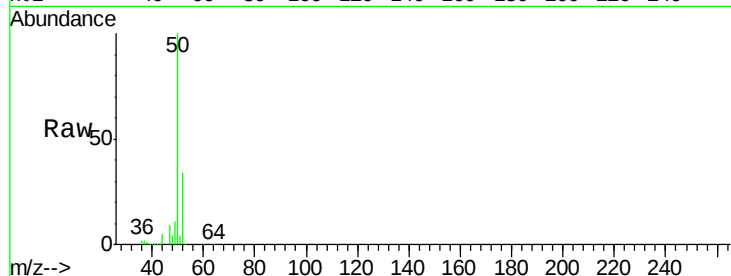
WP021MW011-180627MS

Tot Ion: 50 Resp: 86131

Ion Ratio Lower Upper

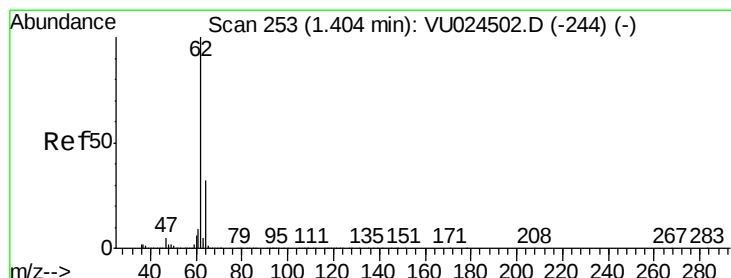
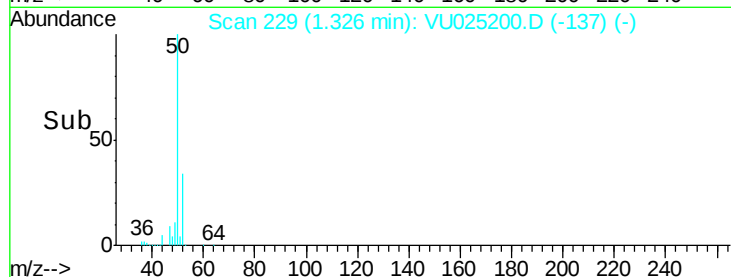
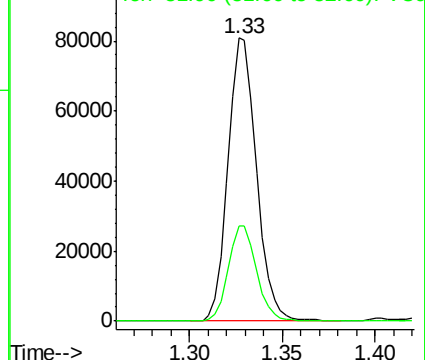
50 100

52 33.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.507 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025200.D

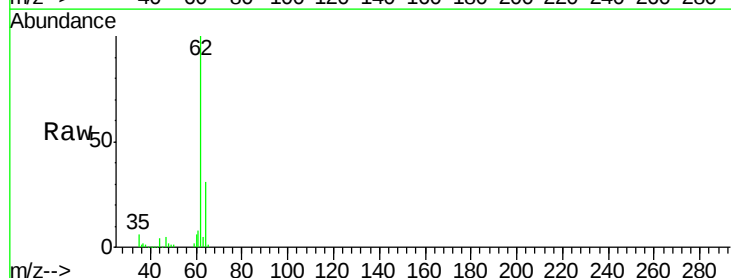
Acq: 03 Jul 2018 19:39

Tgt Ion: 62 Resp: 108480

Ion Ratio Lower Upper

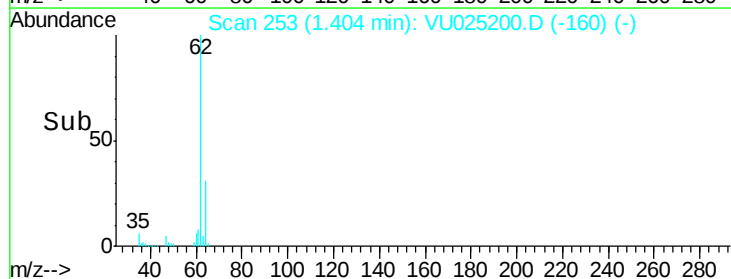
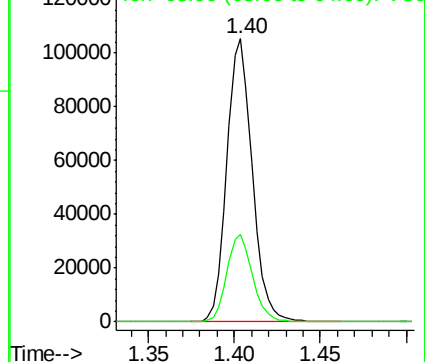
62 100

64 31.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 55.137 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

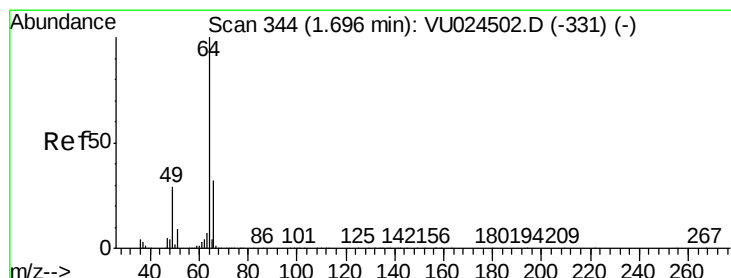
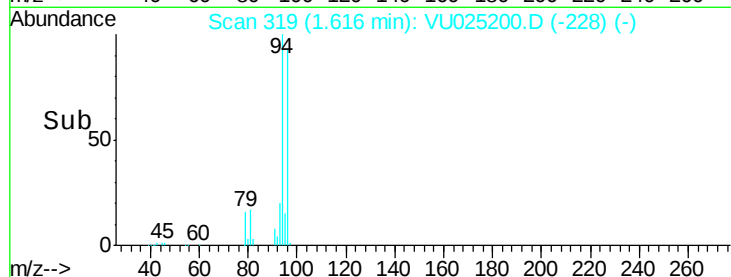
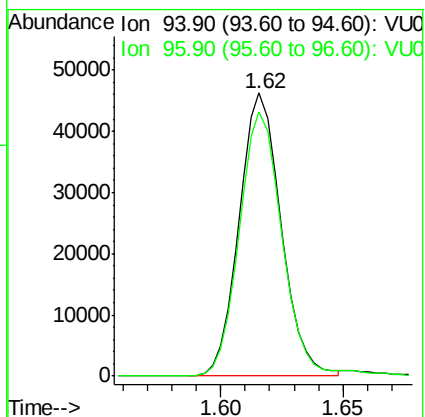
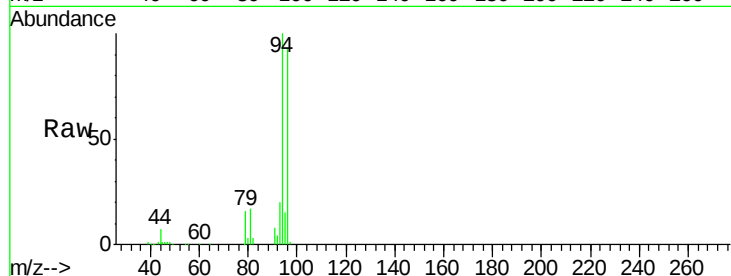
WP021MW011-180627MS

Tot Ion: 94 Resp: 55067

Ion Ratio Lower Upper

94 100

96 93.4 74.5 111.7



#6

Chloroethane

Concen: 56.026 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025200.D

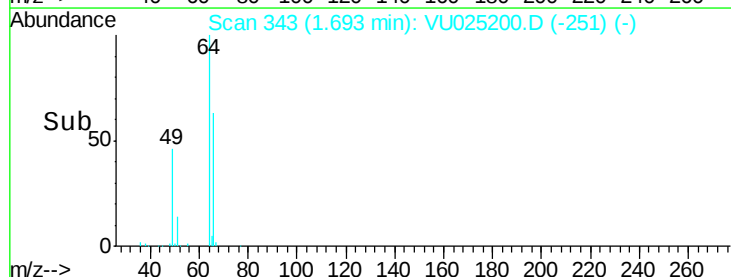
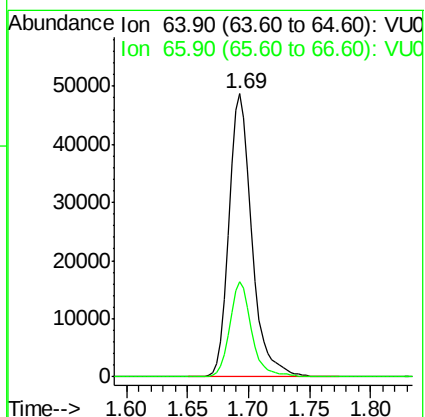
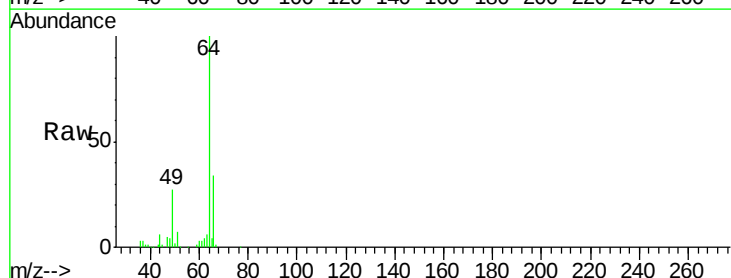
Acq: 03 Jul 2018 19:39

Tgt Ion: 64 Resp: 64533

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



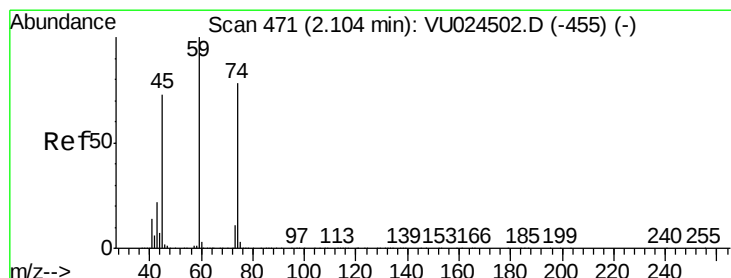
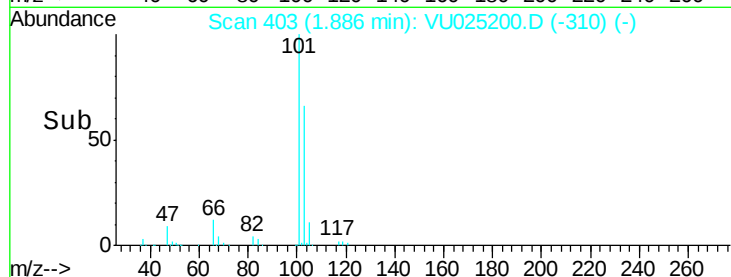
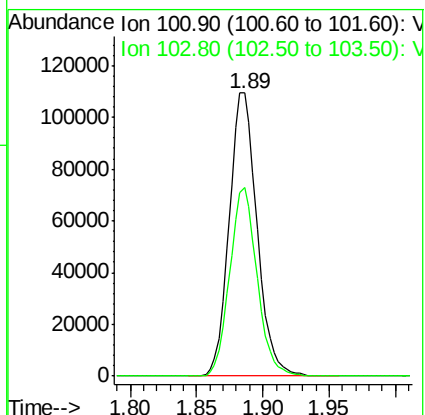
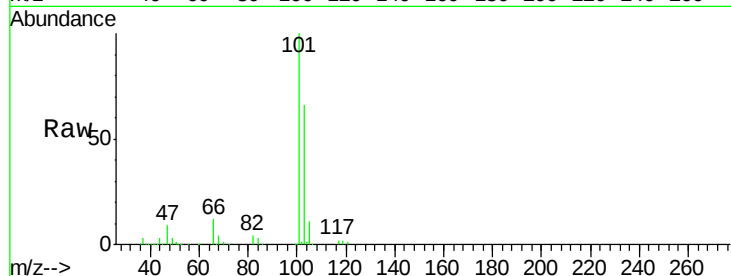


#7

Trichlorofluoromethane
 Concen: 50.637 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

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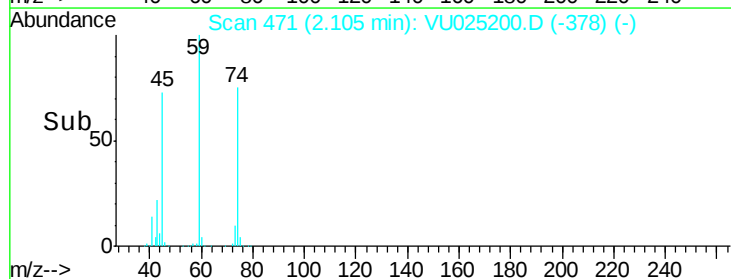
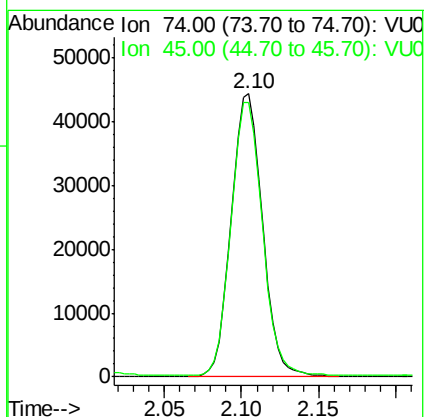
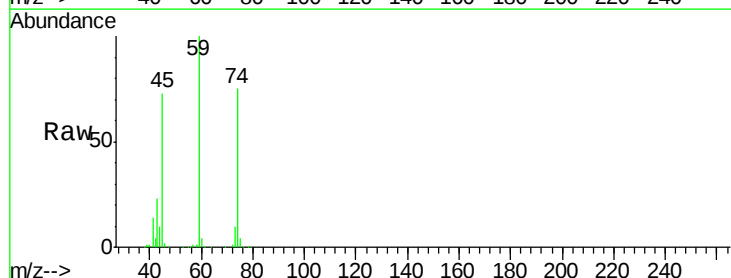
Tot Ion:101 Resp: 159655
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.3 78.5

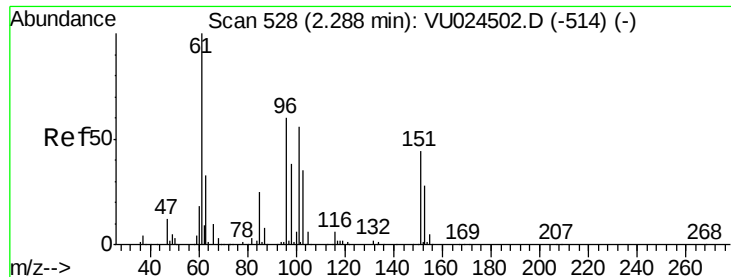


#8

Diethyl Ether
 Concen: 58.224 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Tgt Ion: 74 Resp: 62141
 Ion Ratio Lower Upper
 74 100
 45 97.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.107 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

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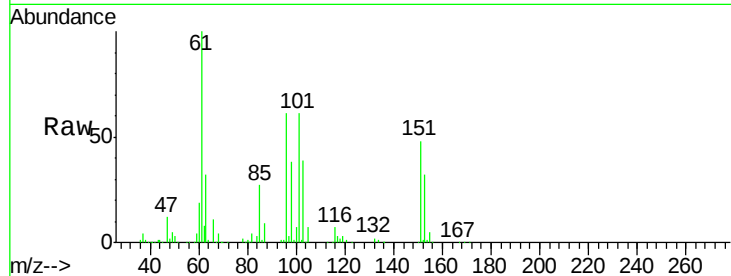
Tot Ion:101 Resp: 98012

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

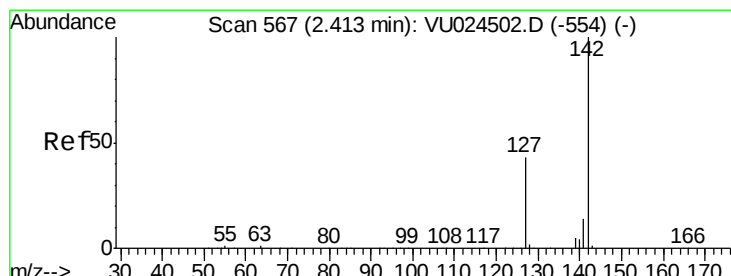
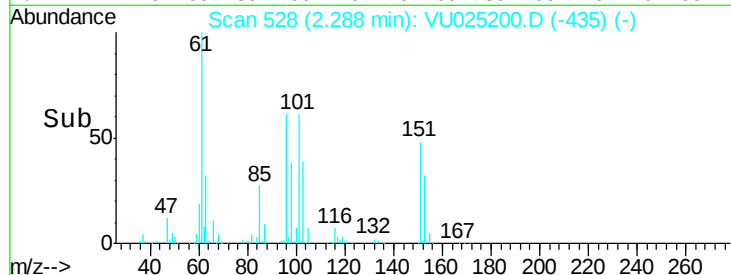
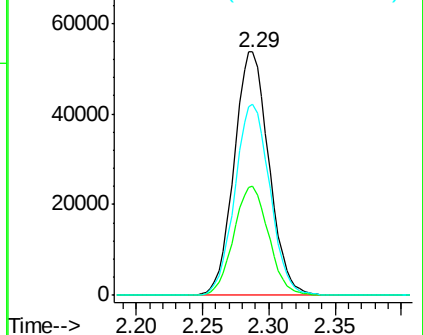
151 79.3 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 64.070 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

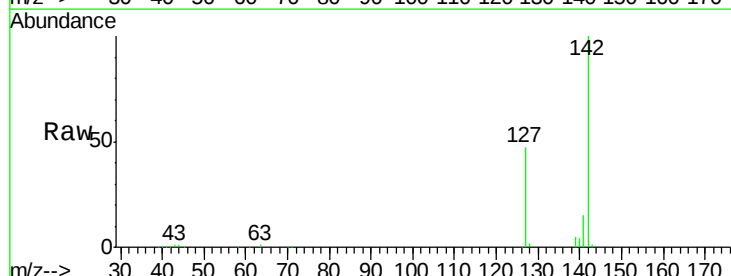
Tgt Ion:142 Resp: 108816

Ion Ratio Lower Upper

142 100

127 46.7 35.6 53.4

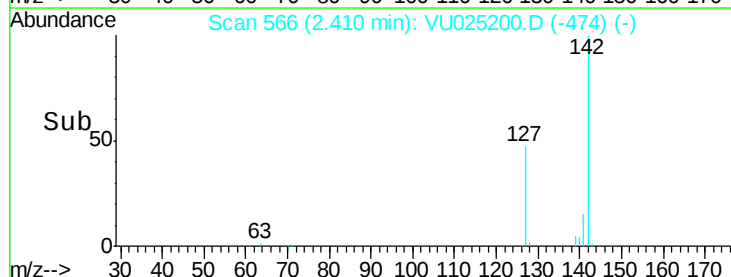
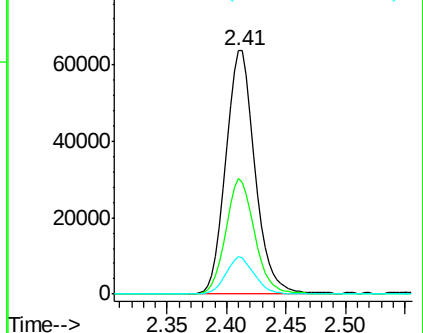
141 14.7 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



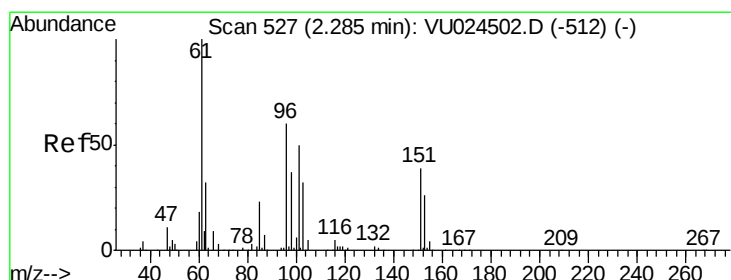
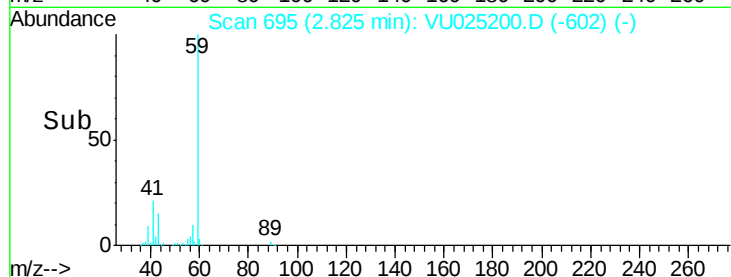
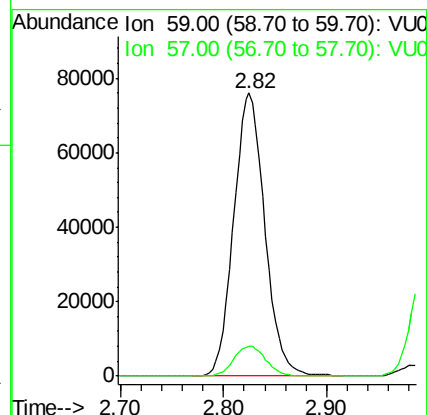
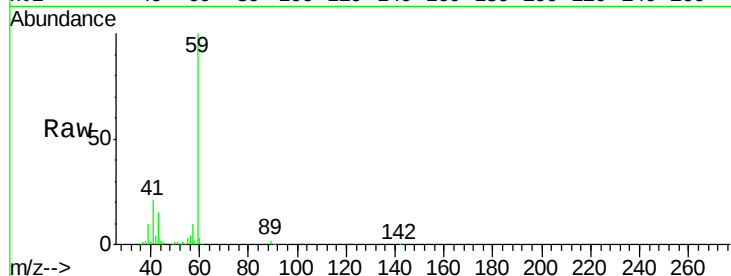


#11

Tert butyl alcohol
 Concen: 256.717 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MS

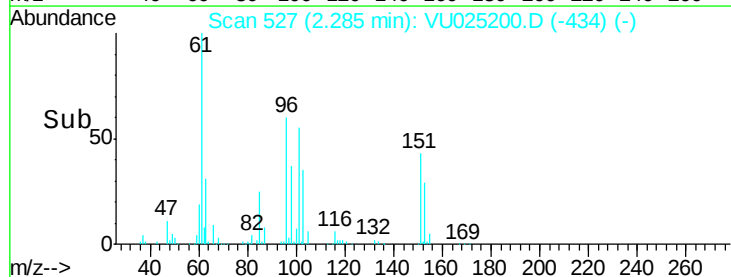
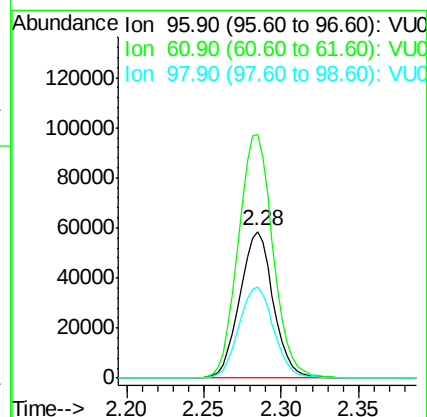
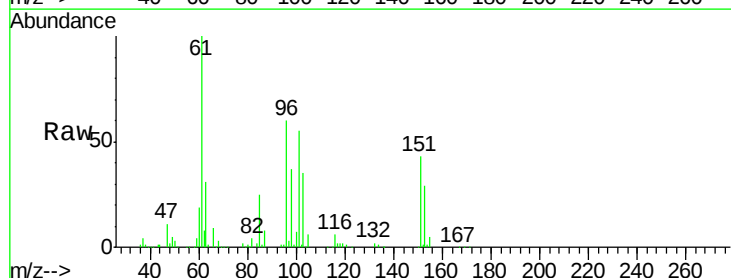
Tot Ion: 59 Resp: 159679
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.5 12.7

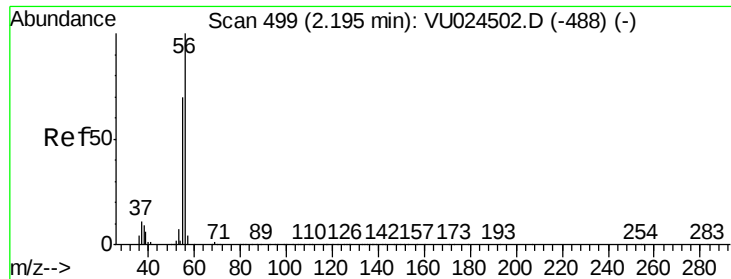


#12

1,1-Dichloroethene
 Concen: 49.412 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Tgt Ion: 96 Resp: 88141
 Ion Ratio Lower Upper
 96 100
 61 165.9 141.7 212.5
 98 61.8 51.6 77.4





#13

Acrolein

Concen: 69.133 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

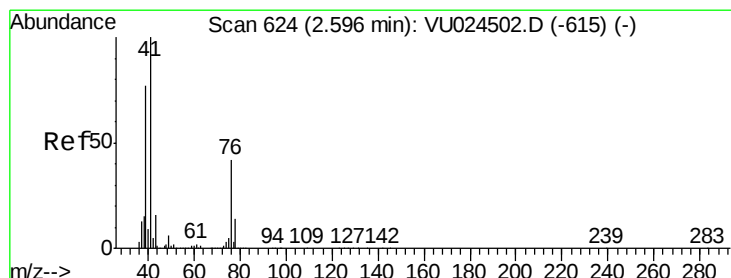
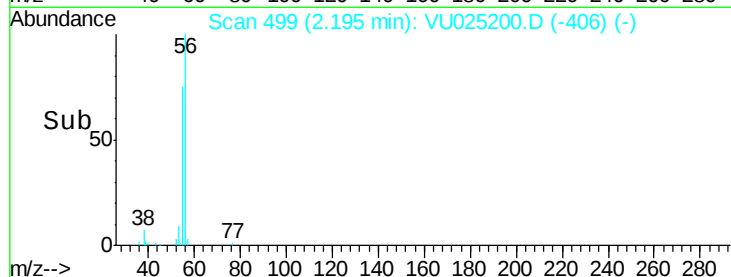
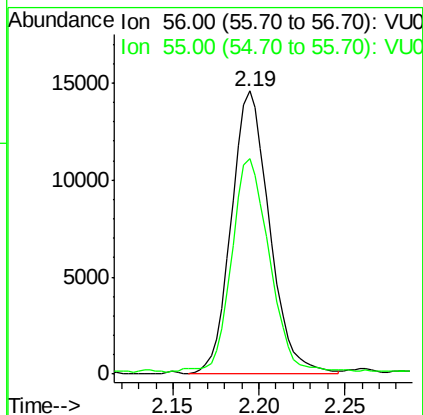
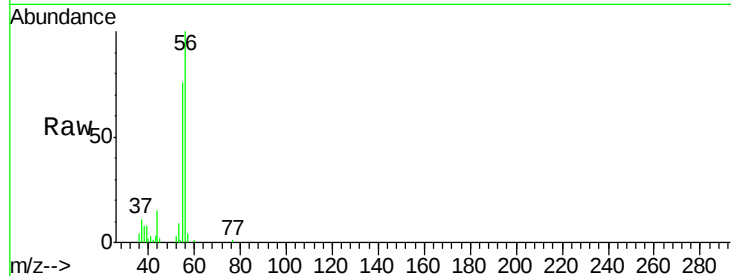
WP021MW011-180627MS

Tot Ion: 56 Resp: 22581

Ion Ratio Lower Upper

56 100

55 73.5 58.4 87.6



#14

Allyl chloride

Concen: 45.804 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

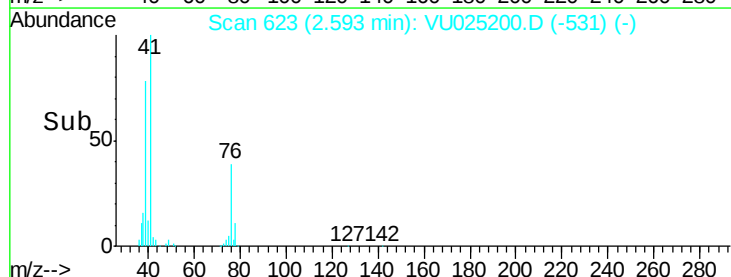
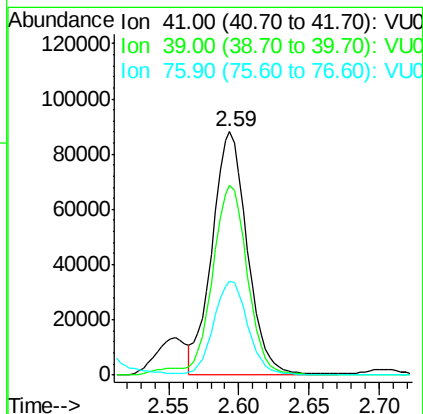
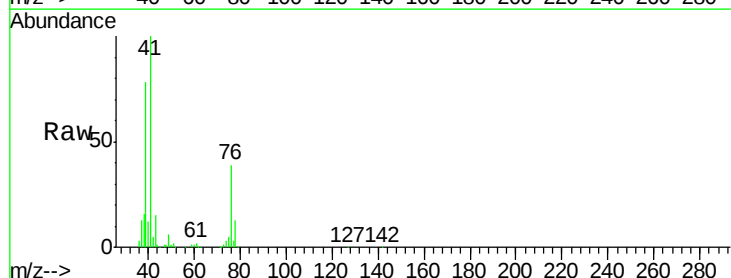
Tgt Ion: 41 Resp: 151704

Ion Ratio Lower Upper

41 100

39 79.5 61.6 92.4

76 37.4 29.7 44.5





#15

Acrylonitrile

Concen: 279.659 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

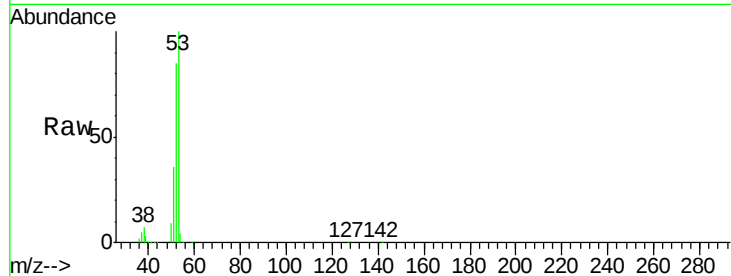
Tot Ion: 53 Resp: 338438

Ion Ratio Lower Upper

53 100

52 82.9 67.1 100.7

51 36.9 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024502.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-714) (-)

Ion 51.00 (50.70 to 51.70): VU024502.D (-714) (-)

2.93

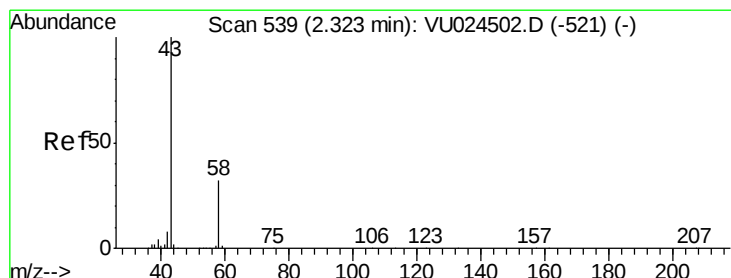
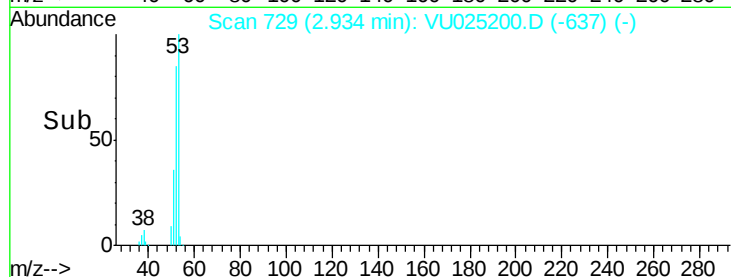
150000

100000

50000

0

Time--> 2.80 2.90 3.00 3.10



#16

Acetone

Concen: 231.428 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025200.D

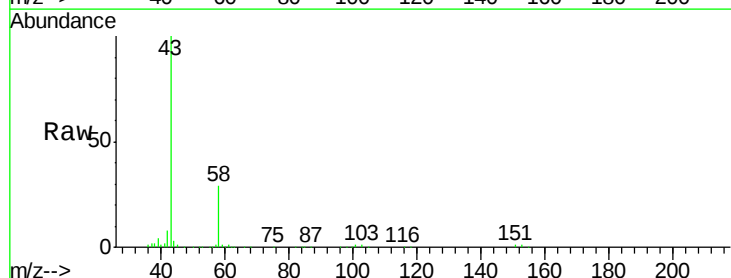
Acq: 03 Jul 2018 19:39

Tgt Ion: 43 Resp: 318014

Ion Ratio Lower Upper

43 100

58 29.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

2.32

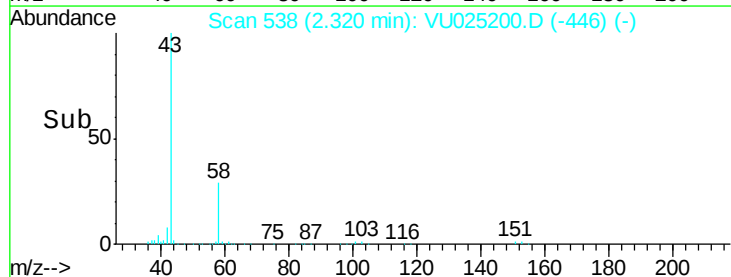
150000

100000

50000

0

Time--> 2.20 2.30 2.40





#17

Carbon Disulfide

Concen: 42.122 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

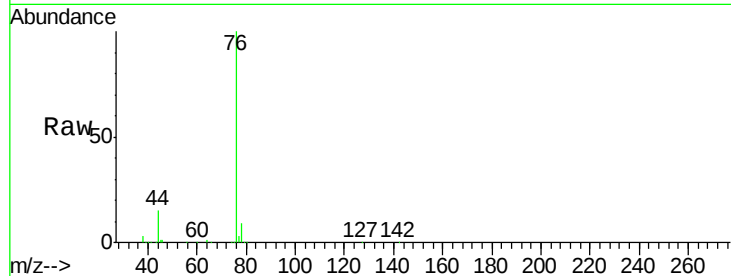
WP021MW011-180627MS

Tot Ion: 76 Resp: 240593

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

150000

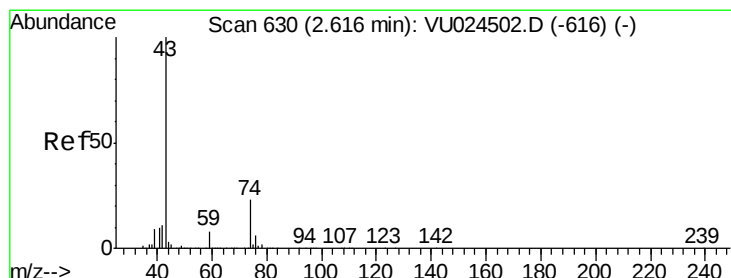
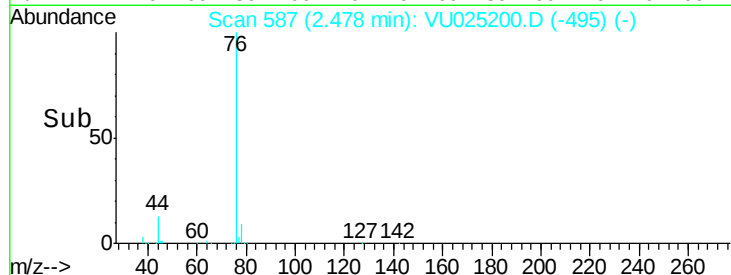
100000

50000

0

2.40 2.45 2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 68.068 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025200.D

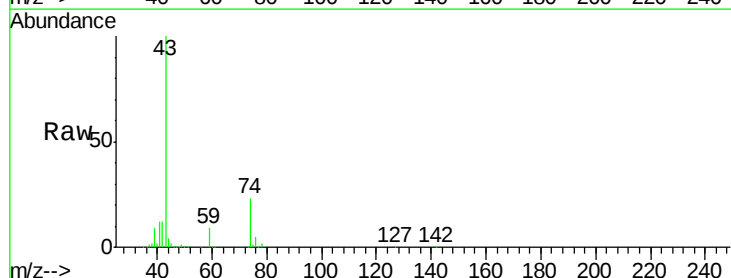
Acq: 03 Jul 2018 19:39

Tgt Ion: 43 Resp: 200521

Ion Ratio Lower Upper

43 100

74 23.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

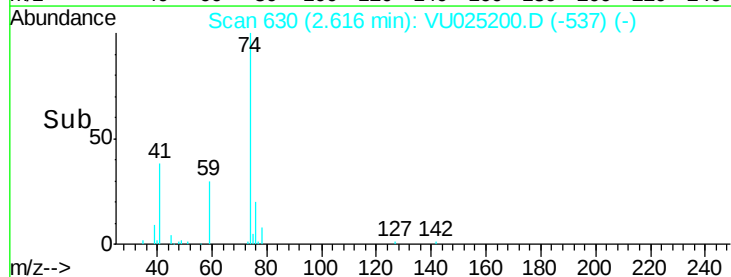
100000

50000

0

2.55 2.60 2.65 2.70

Time-->

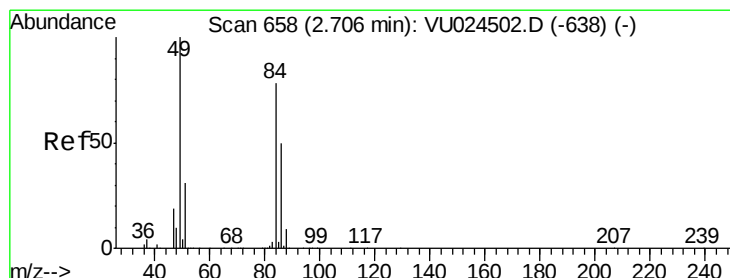
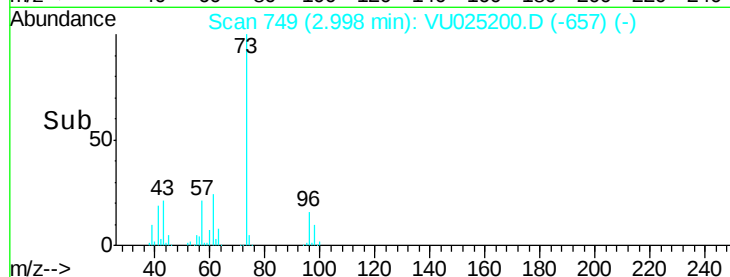
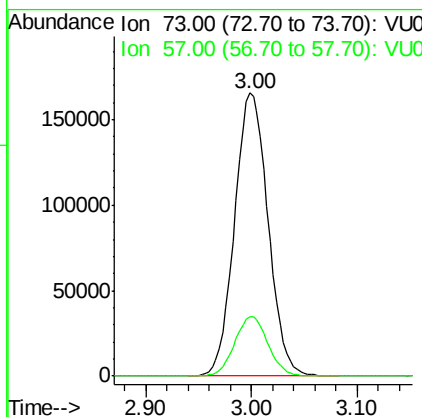
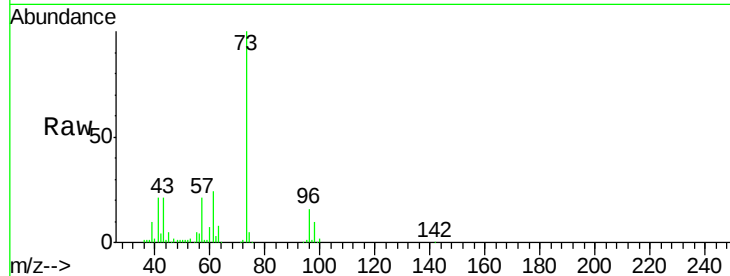




#19
Methyl tert-butyl Ether
Concen: 54.432 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

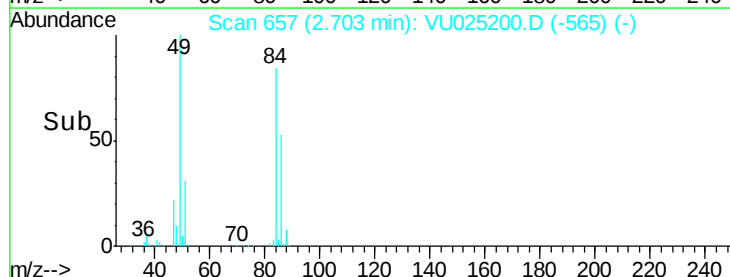
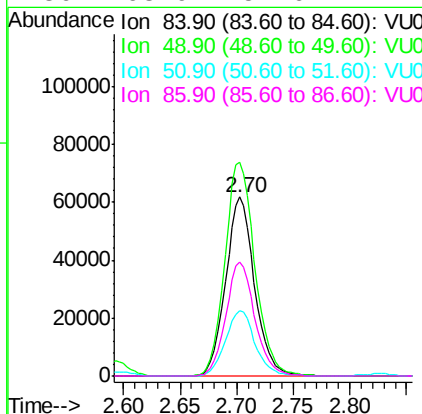
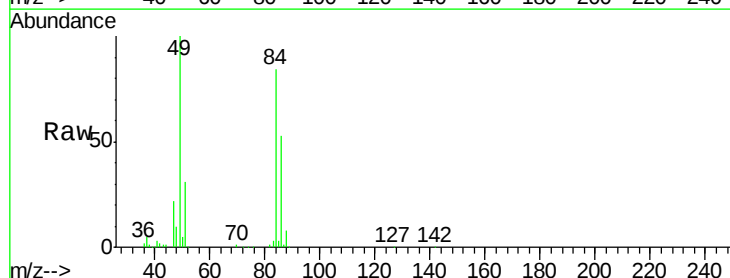
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

Tot Ion: 73 Resp: 364977
Ion Ratio Lower Upper
73 100
57 21.2 18.8 28.2



#20
Methylene Chloride
Concen: 50.855 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion: 84 Resp: 109650
Ion Ratio Lower Upper
84 100
49 119.6 103.8 155.8
51 36.9 32.0 48.0
86 63.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 51.395 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

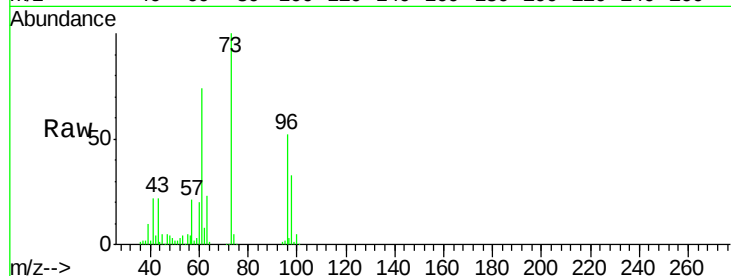
Tot Ion: 96 Resp: 100974

Ion Ratio Lower Upper

96 100

61 142.4 119.4 179.0

98 63.6 51.1 76.7

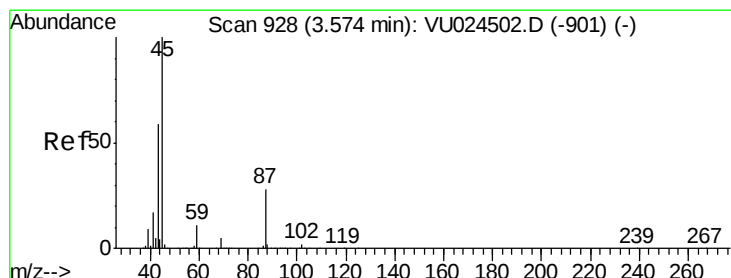
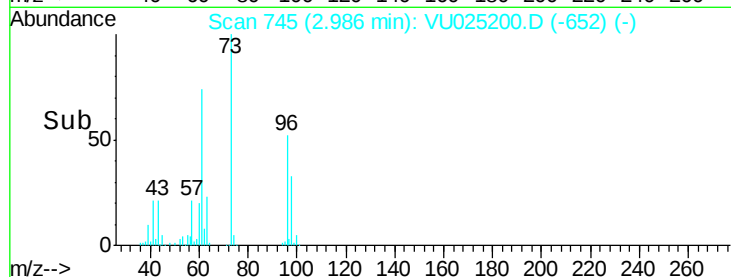
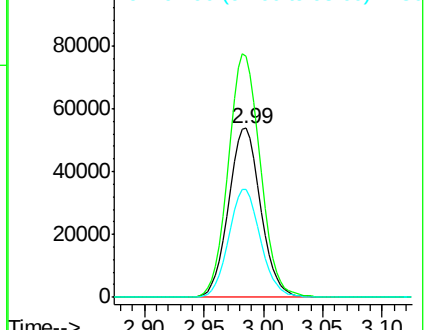


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 53.261 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Tgt Ion: 45 Resp: 349693

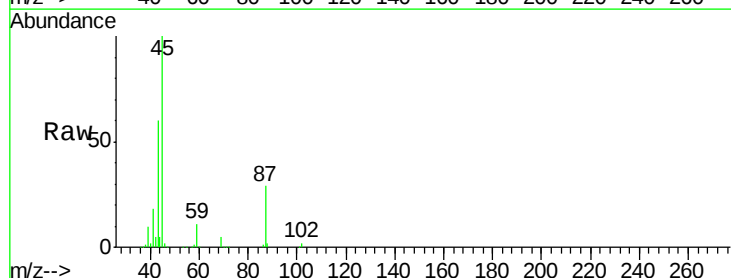
Ion Ratio Lower Upper

45 100

43 58.9 45.8 68.6

87 29.2 20.6 31.0

59 11.3 9.4 14.0



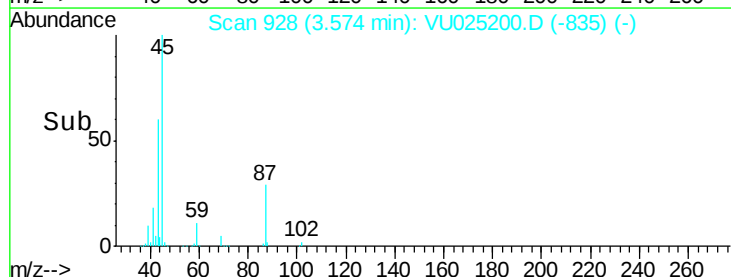
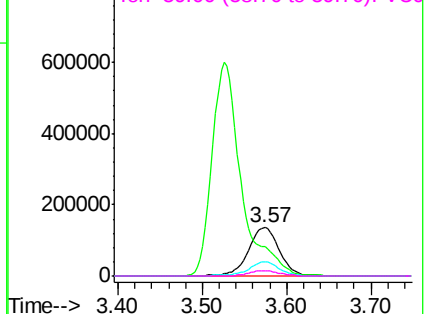
Abundance

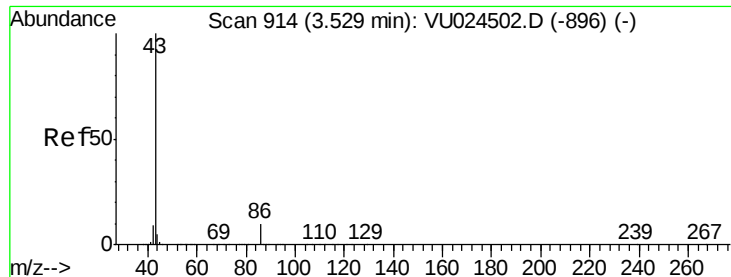
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 246.935 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

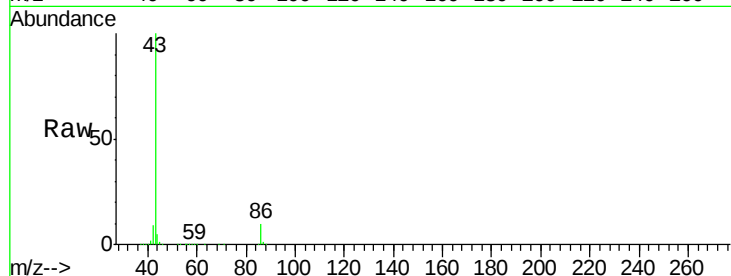
WP021MW011-180627MS

Tot Ion: 43 Resp: 1452329

Ion Ratio Lower Upper

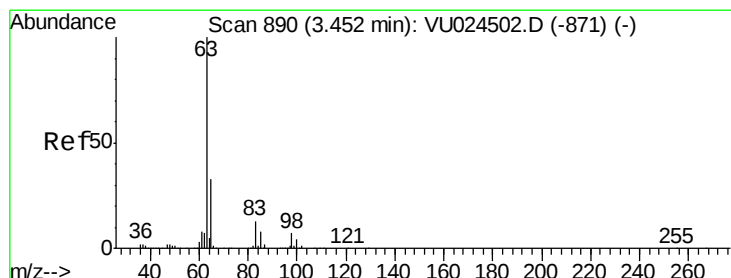
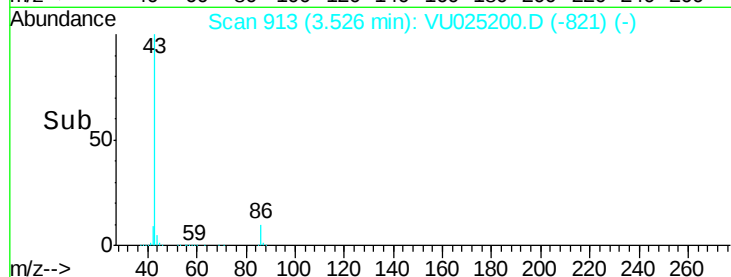
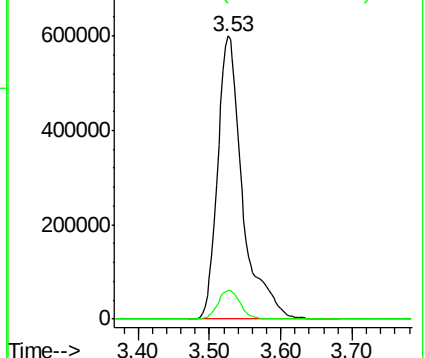
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 53.222 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

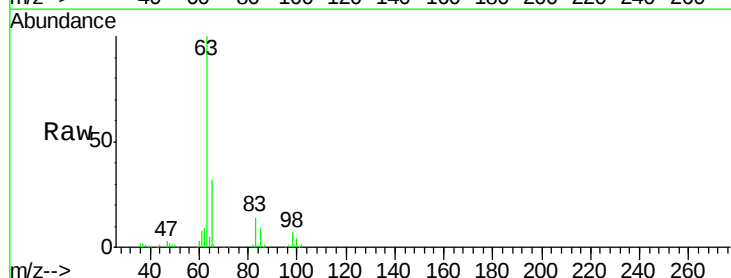
Tgt Ion: 63 Resp: 201021

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

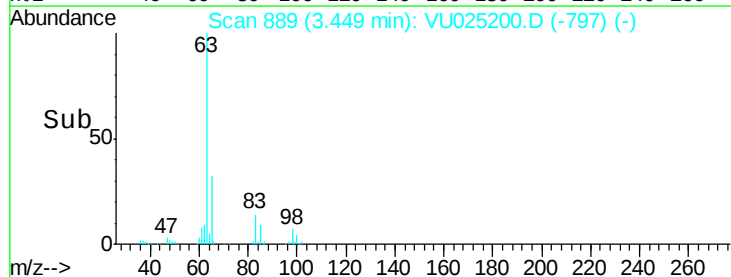
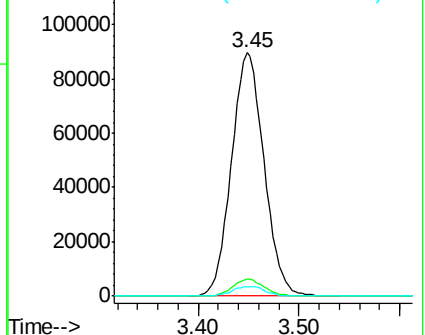
100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

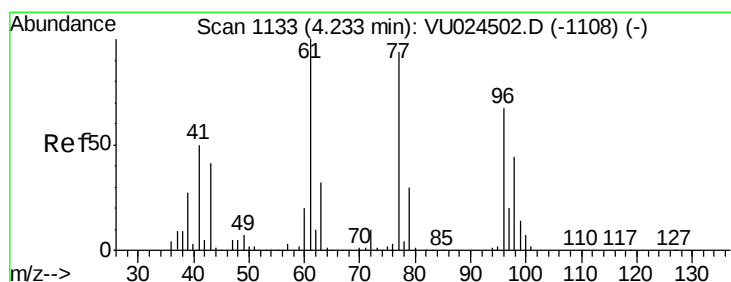
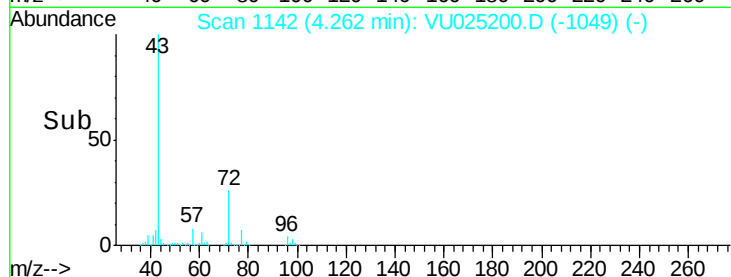
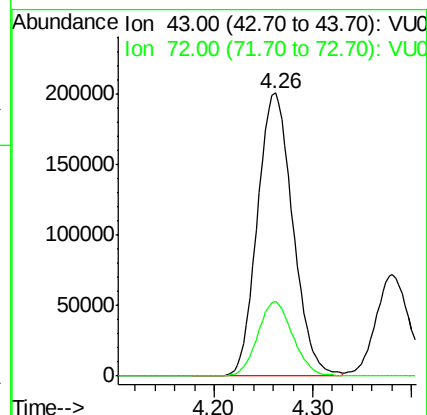
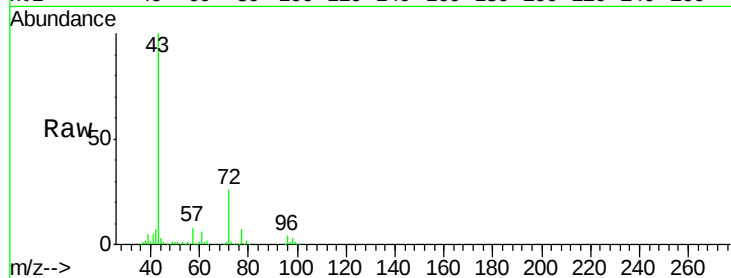




#25
2-Butanone
Concen: 269.140 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

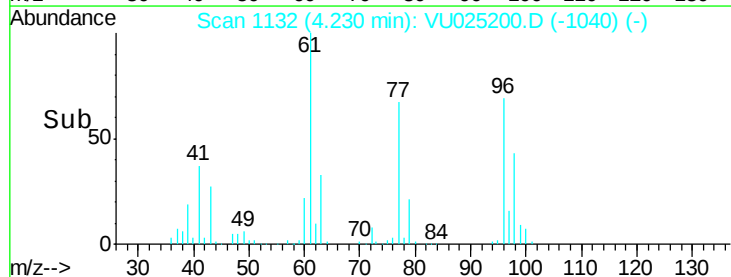
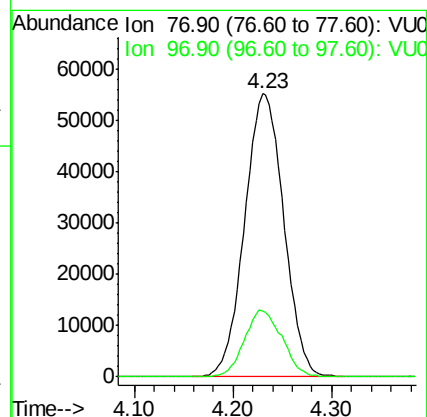
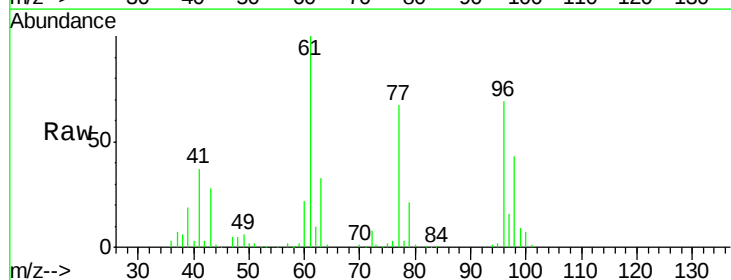
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

Tot Ion: 43 Resp: 496773
Ion Ratio Lower Upper
43 100
72 26.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 42.124 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion: 77 Resp: 151074
Ion Ratio Lower Upper
77 100
97 22.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 61.209 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

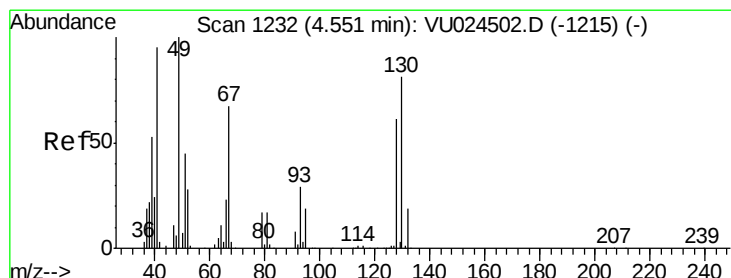
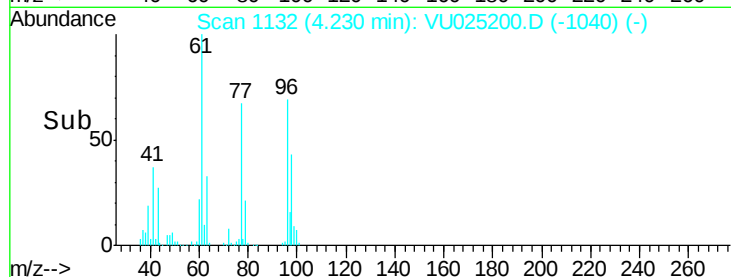
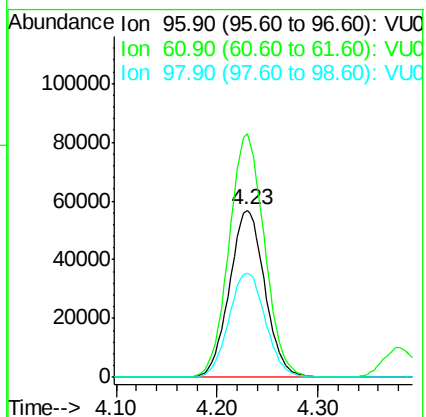
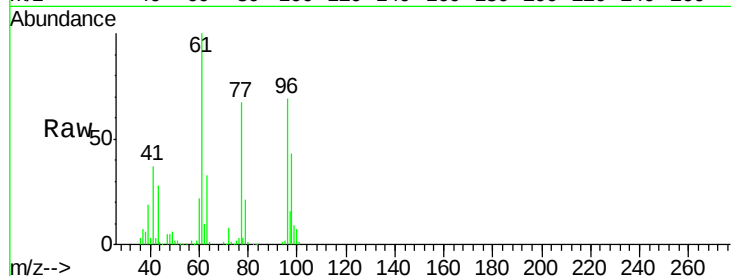
Tot Ion: 96 Resp: 138253

Ion Ratio Lower Upper

96 100

61 146.2 0.0 306.6

98 64.7 0.0 128.8



#28

Bromochloromethane

Concen: 45.240 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

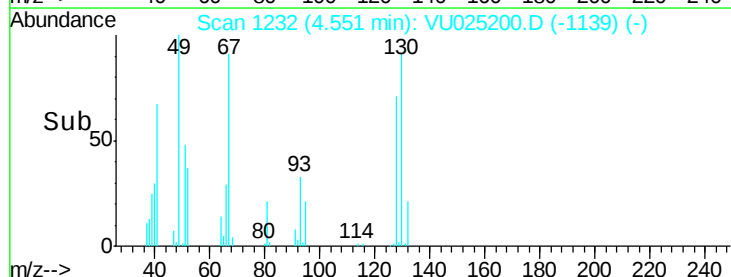
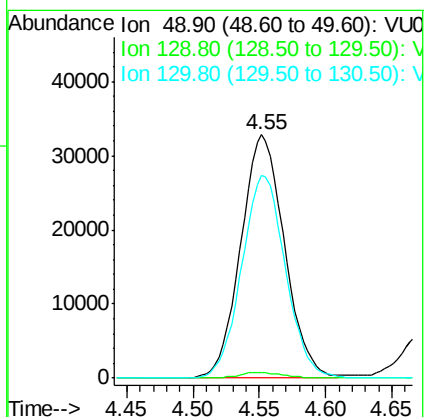
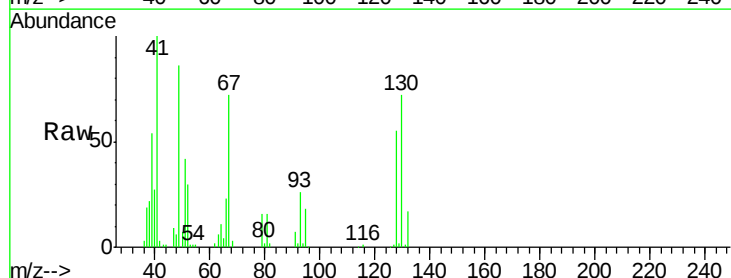
Tgt Ion: 49 Resp: 75263

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 83.7 57.8 86.6

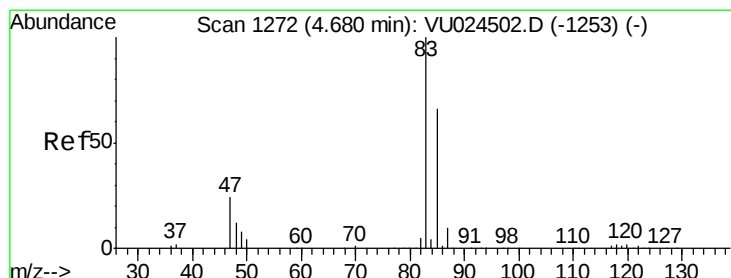
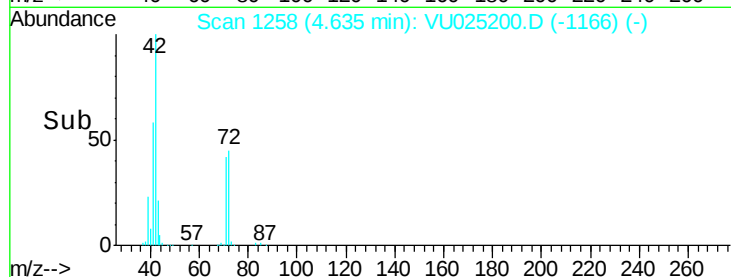
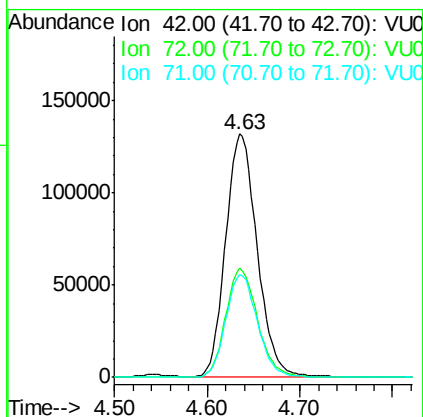
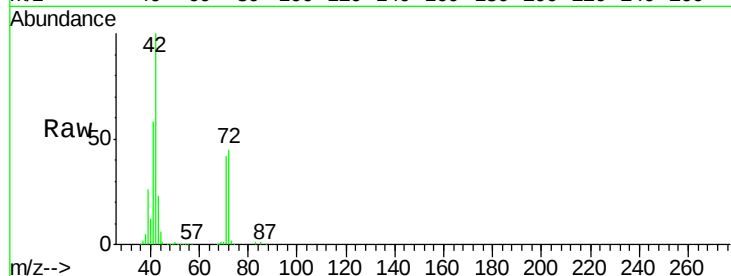




#29
Tetrahydrofuran
Concen: 271.565 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

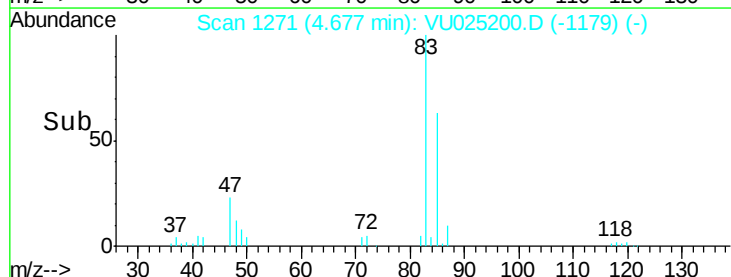
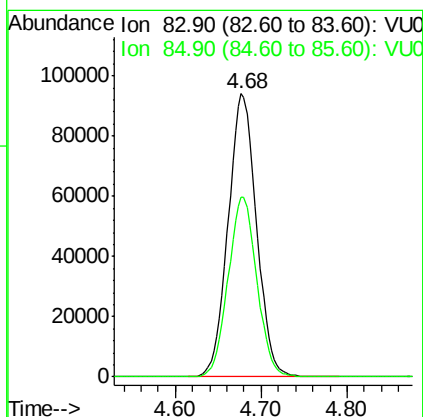
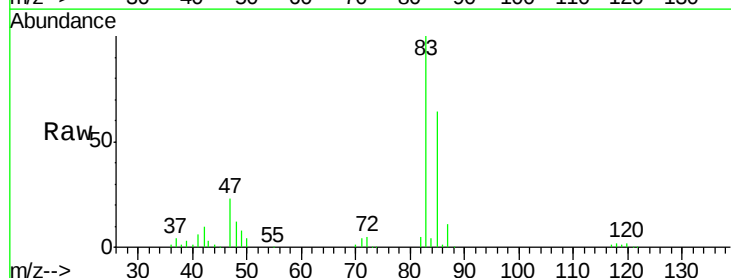
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

Tot Ion: 42 Resp: 310407
Ion Ratio Lower Upper
42 100
72 45.5 34.5 51.7
71 42.6 32.2 48.4



#30
Chloroform
Concen: 56.282 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion: 83 Resp: 215162
Ion Ratio Lower Upper
83 100
85 63.5 52.4 78.6





#31

Cyclohexane

Concen: 52.196 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

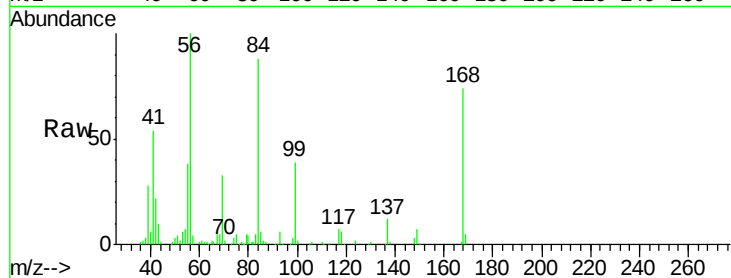
Tot Ion: 56 Resp: 174780

Ion Ratio Lower Upper

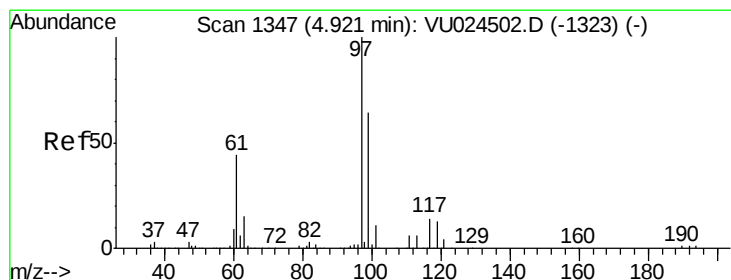
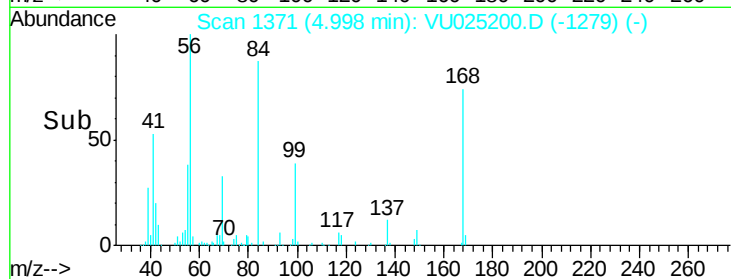
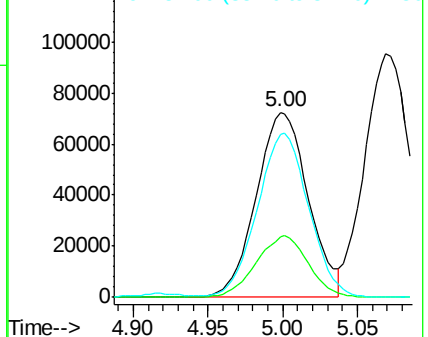
56 100

69 32.6 24.8 37.2

84 87.1 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 54.021 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

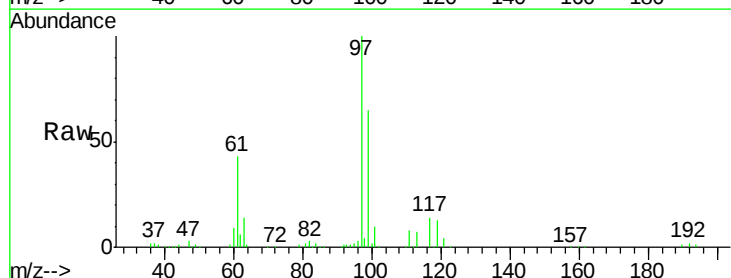
Tgt Ion: 97 Resp: 190974

Ion Ratio Lower Upper

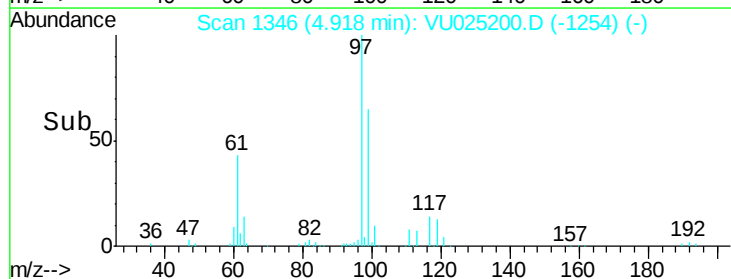
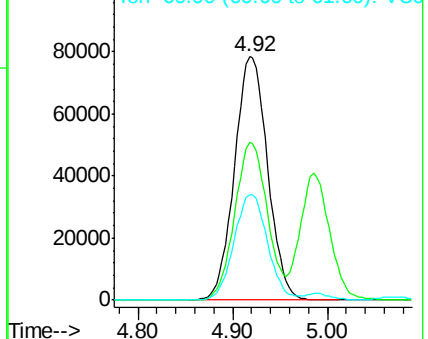
97 100

99 64.2 51.0 76.6

61 43.9 39.4 59.0



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





#33

1,2-Dichloroethane-d4

Concen: 49.667 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

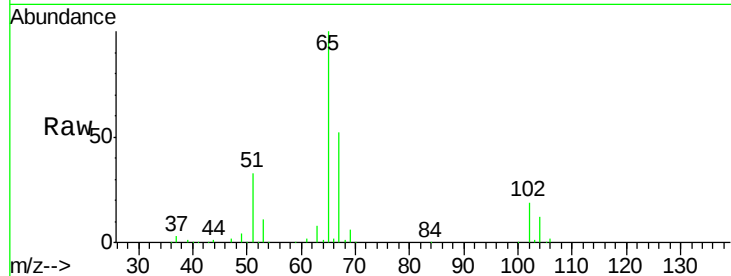
WP021MW011-180627MS

Tot Ion: 65 Resp: 127023

Ion Ratio Lower Upper

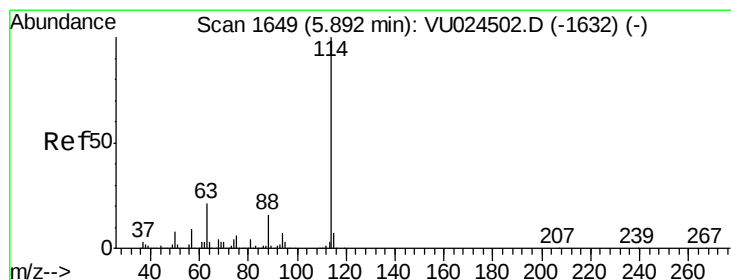
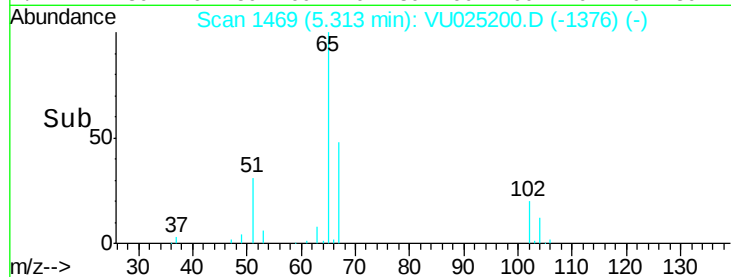
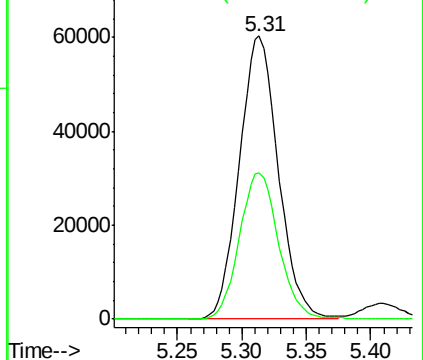
65 100

67 52.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

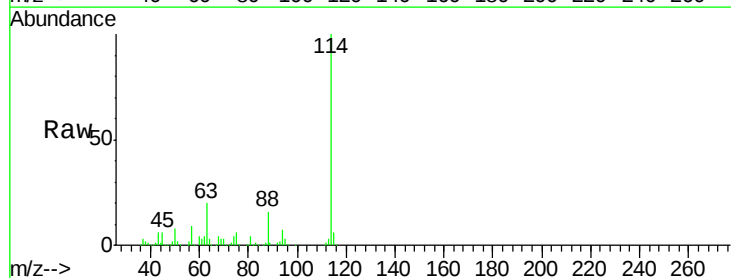
Tgt Ion: 114 Resp: 247630

Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.4

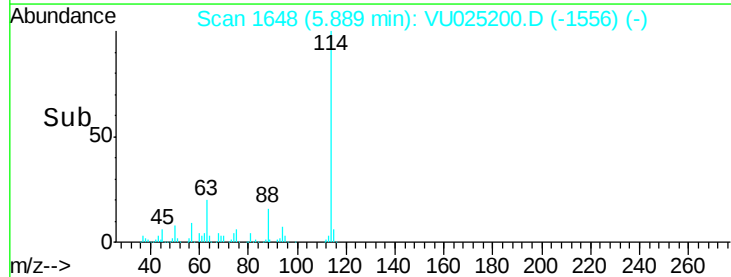
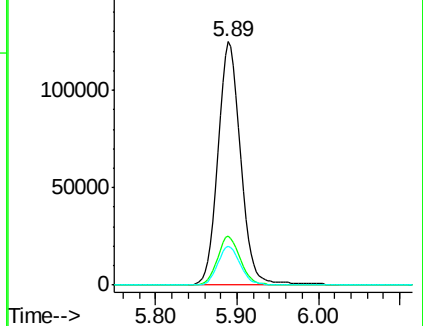
88 16.1 0.0 31.0



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

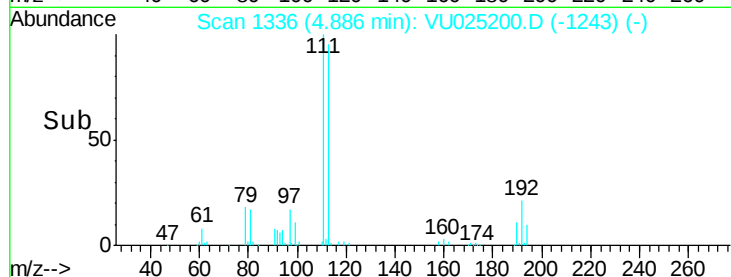
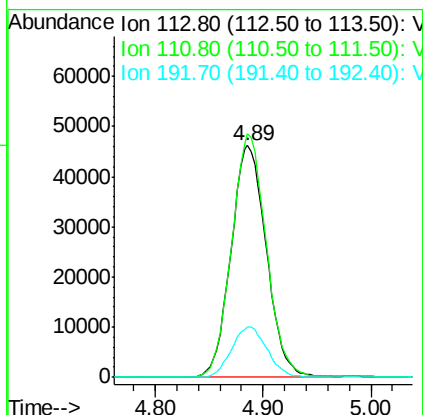
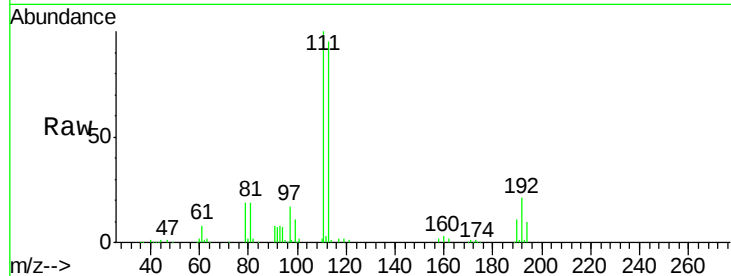




#35
 Dibromofluoromethane
 Concen: 51.479 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

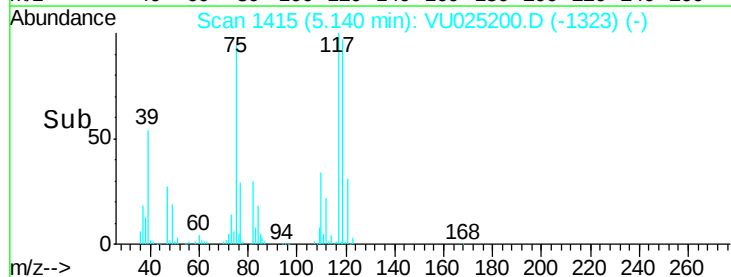
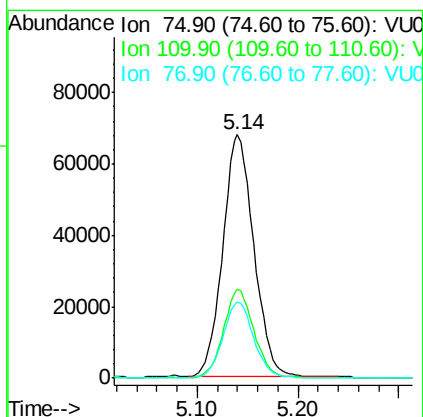
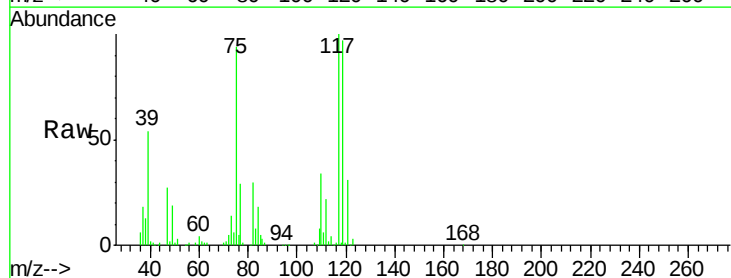
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MS

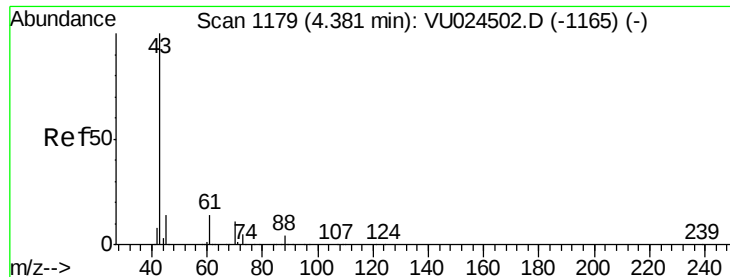
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	21.8	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 50.071 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.0	50.9
77	30.6	24.2	36.4

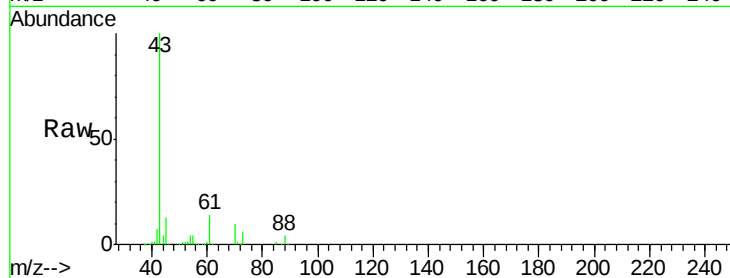




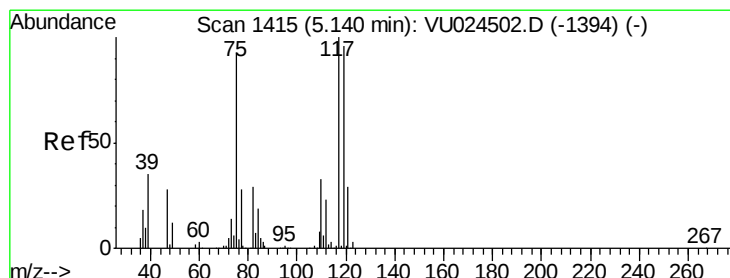
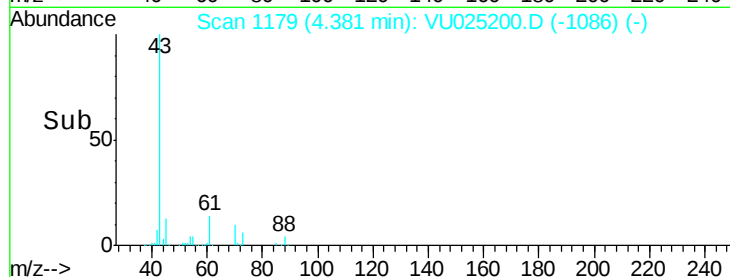
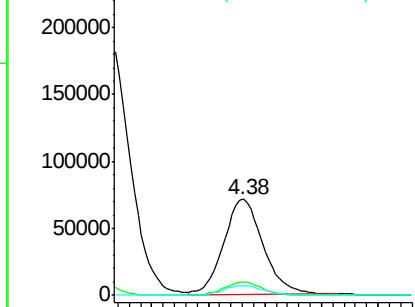
#37
Ethyl Acetate
Concen: 54.259 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

Tot Ion: 43 Resp: 172083
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 10.6 7.4 11.2

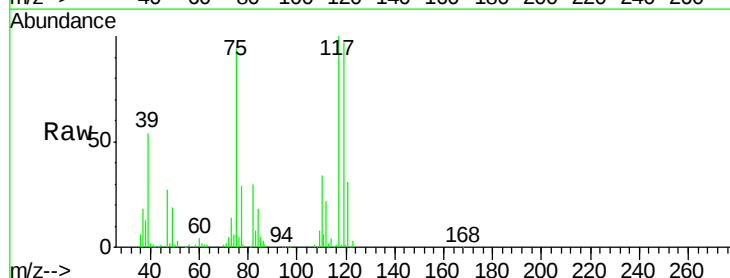


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

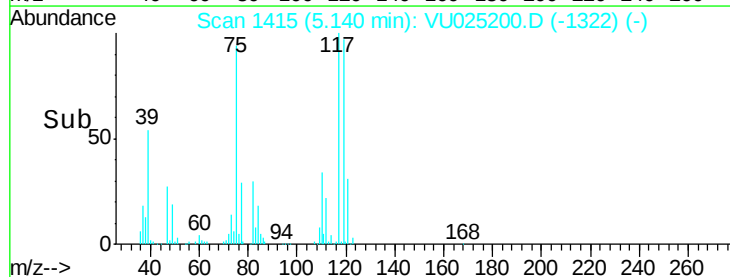
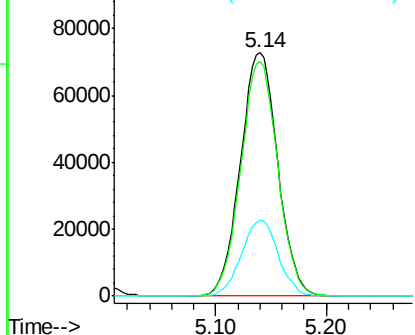


#38
Carbon Tetrachloride
Concen: 53.234 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion: 117 Resp: 170341
Ion Ratio Lower Upper
117 100
119 96.6 76.1 114.1
121 31.2 23.7 35.5



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

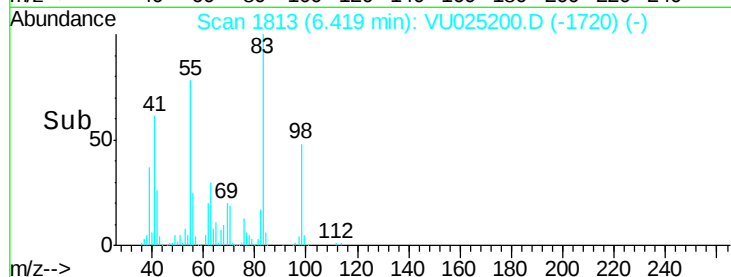
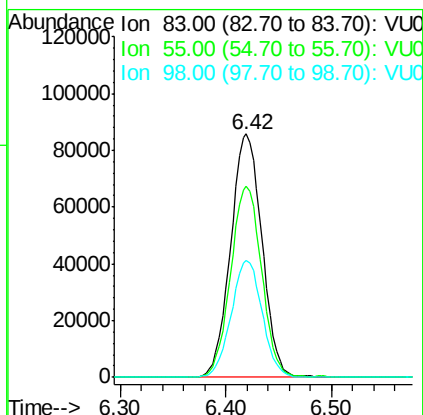
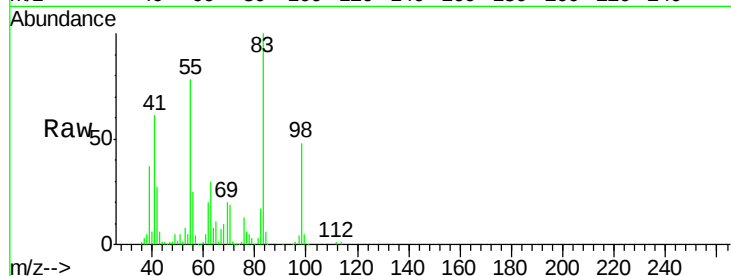




#39
Methvlcvclohexane
Concen: 48.592 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

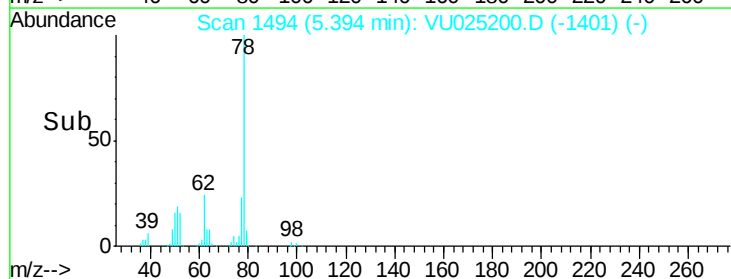
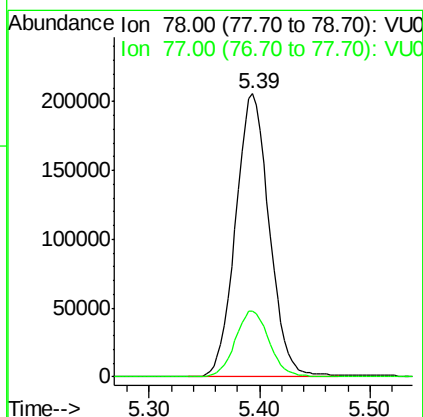
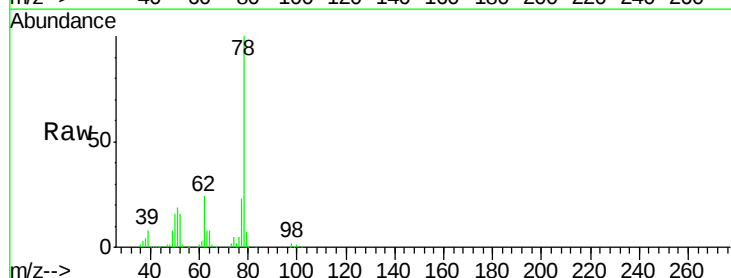
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

Tot Ion: 83 Resp: 176451
Ion Ratio Lower Upper
83 100
55 78.5 65.8 98.6
98 48.0 36.7 55.1



#40
Benzene
Concen: 52.585 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion: 78 Resp: 436006
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8

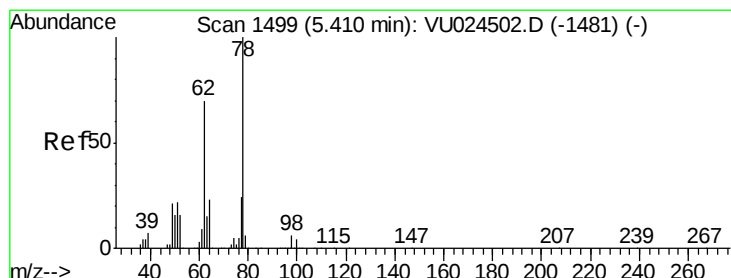
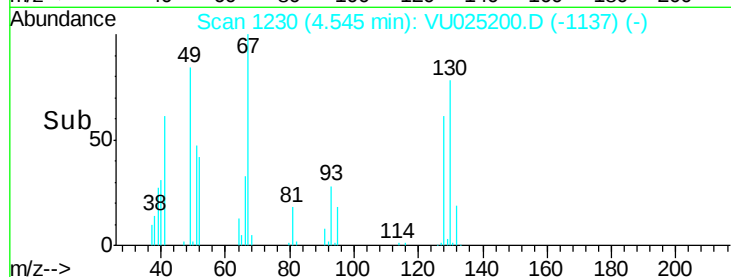
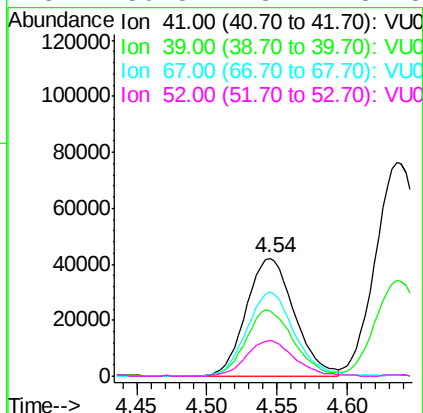
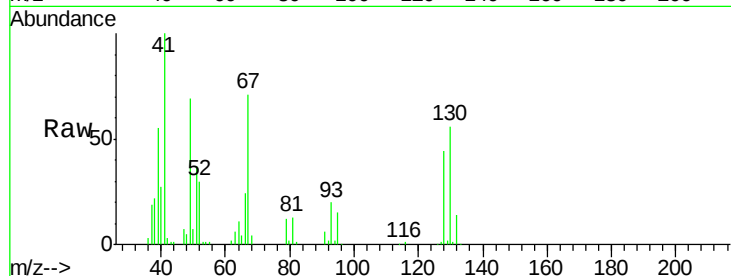




#41
Methacrylonitrile
Concen: 59.028 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

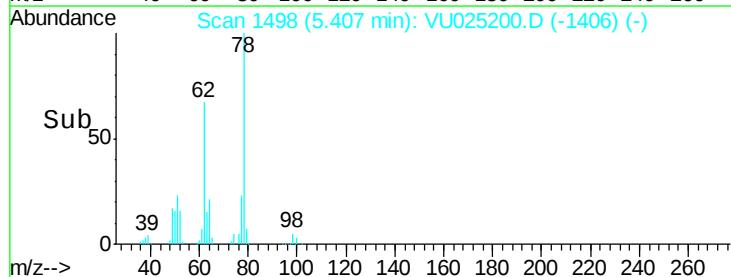
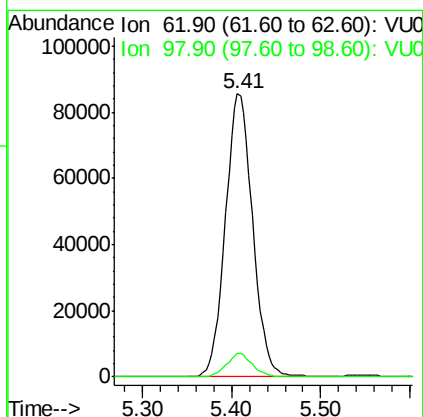
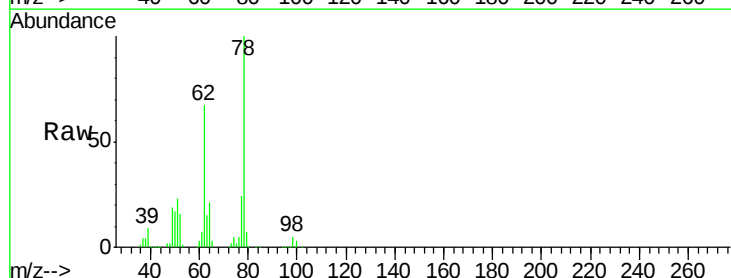
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

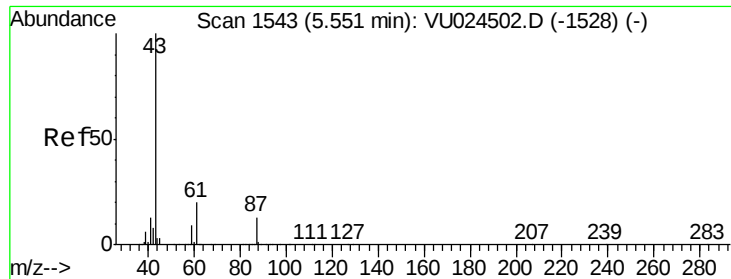
Tot Ion:	41	Resp:	100936
Ion	Ratio	Lower	Upper
41	100		
39	55.3	43.8	65.6
67	70.5	56.3	84.5
52	30.3	23.2	34.8



#42
1,2-Dichloroethane
Concen: 57.282 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion:	62	Resp:	180892
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 51.128 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

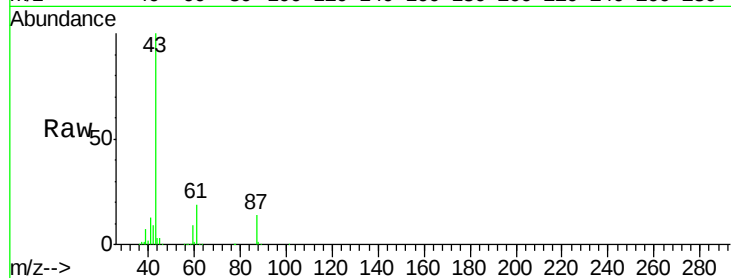
Tot Ion: 43 Resp: 280291

Ion Ratio Lower Upper

43 100

61 19.3 15.4 23.0

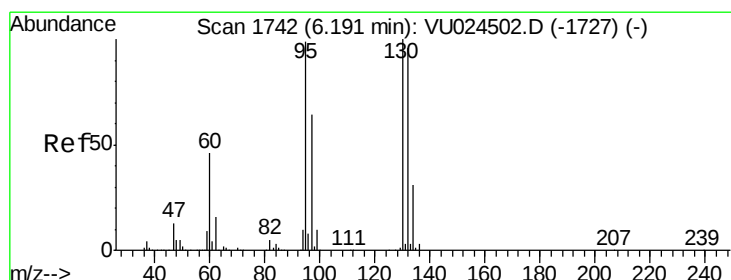
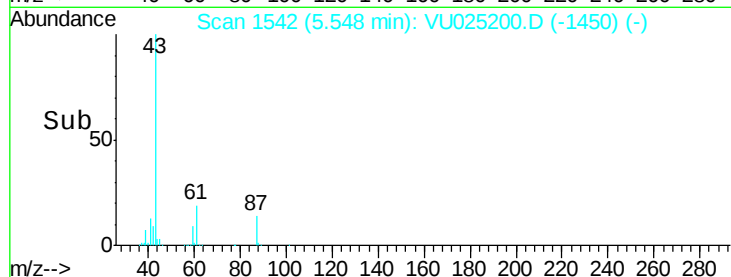
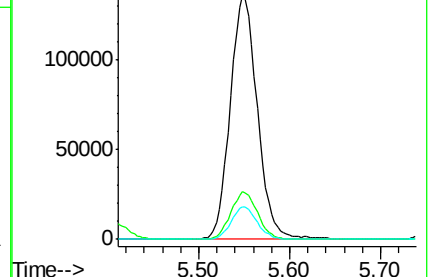
87 12.8 10.0 15.0



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

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

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



#44

Trichloroethene

Concen: 49.753 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025200.D

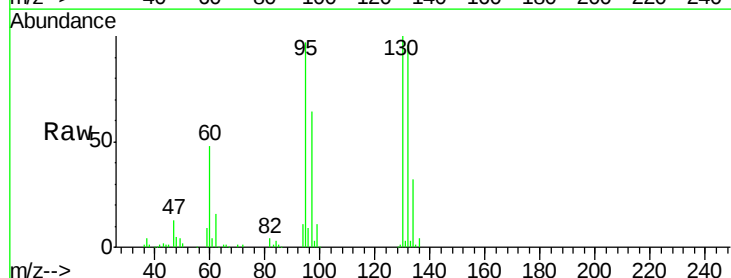
Acq: 03 Jul 2018 19:39

Tgt Ion:130 Resp: 117404

Ion Ratio Lower Upper

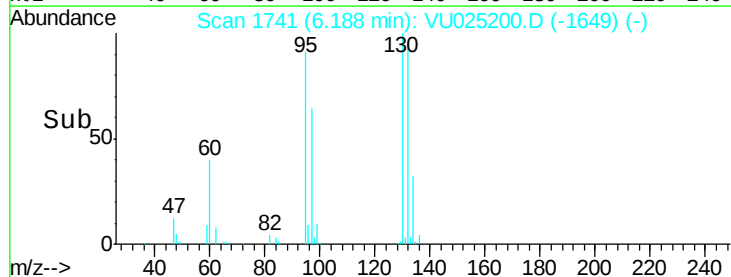
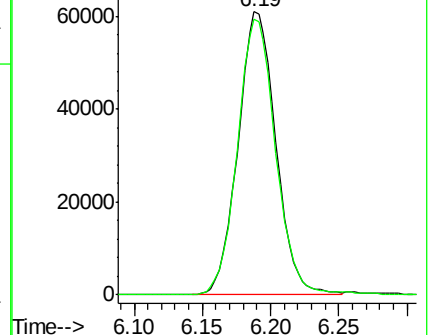
130 100

95 97.3 0.0 202.4



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

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

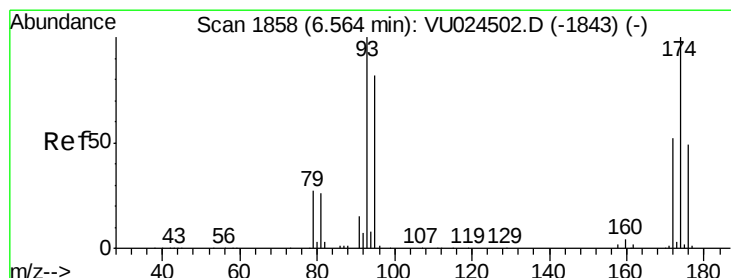
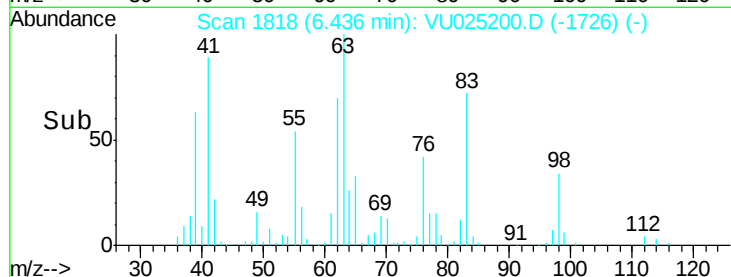
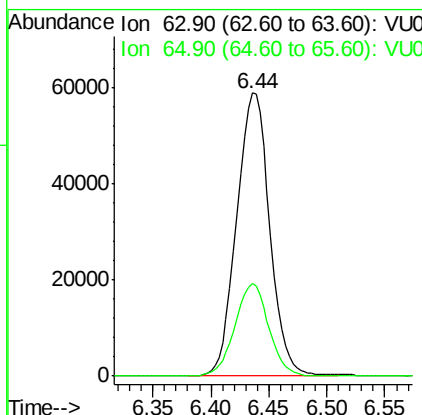
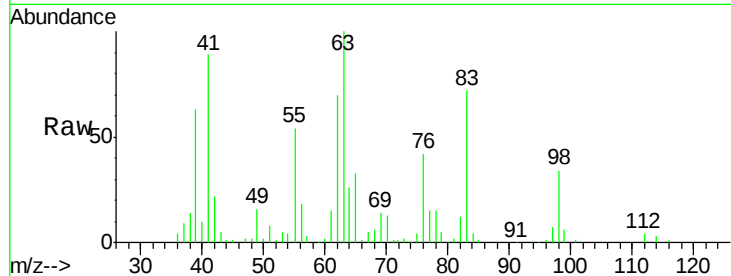




#45
 1,2-Dichloropropane
 Concen: 52.949 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

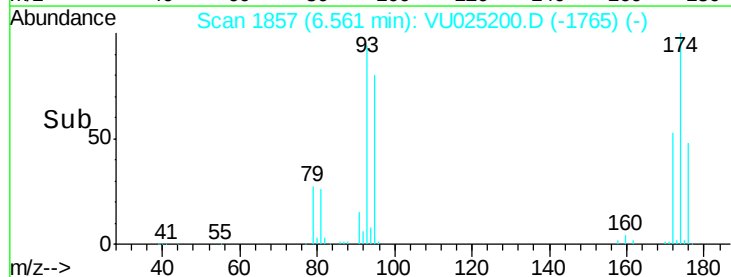
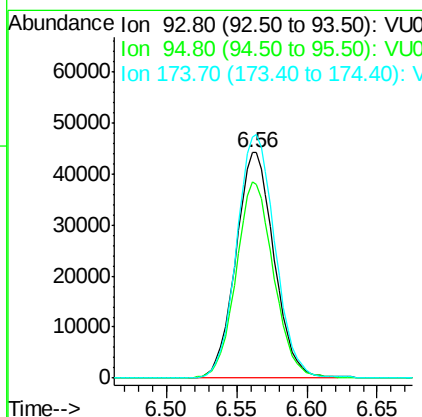
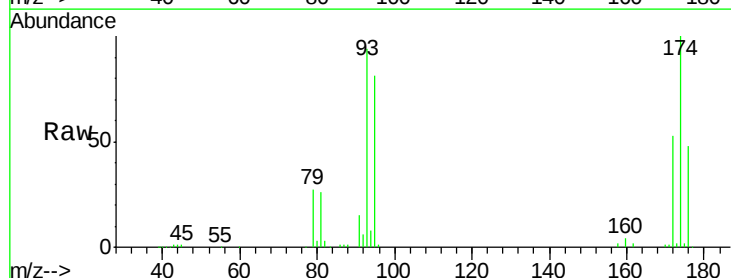
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MS

Tot Ion: 63 Resp: 117142
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2



#46
 Dibromomethane
 Concen: 54.152 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Tgt Ion: 93 Resp: 84152
 Ion Ratio Lower Upper
 93 100
 95 85.5 65.5 98.3
 174 108.3 78.7 118.1





#47

Bromodichloromethane

Concen: 52.893 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

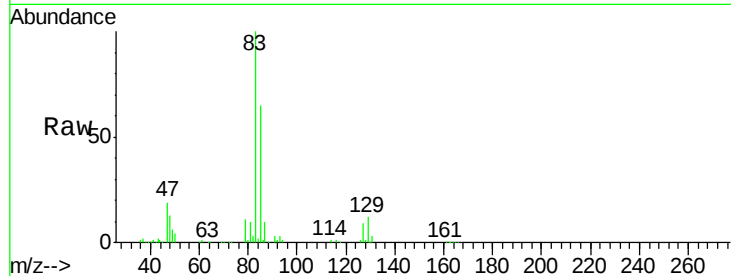
Tot Ion: 83 Resp: 163674

Ion Ratio Lower Upper

83 100

85 65.4 51.9 77.9

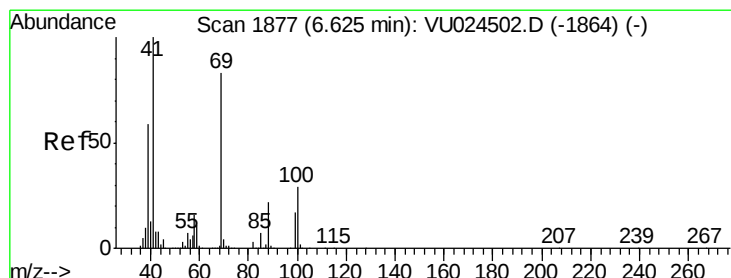
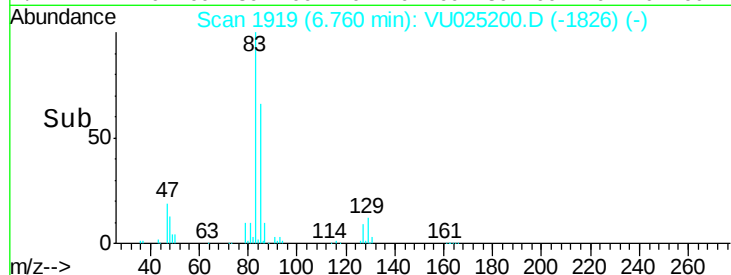
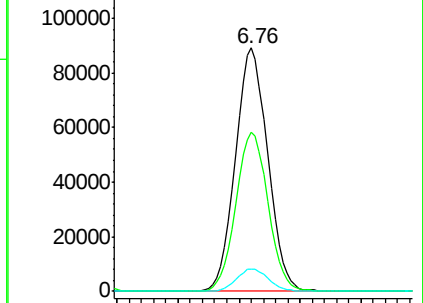
127 9.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU025200.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025200.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025200.D (-1826) (-)



#48

Methyl methacrylate

Concen: 55.795 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

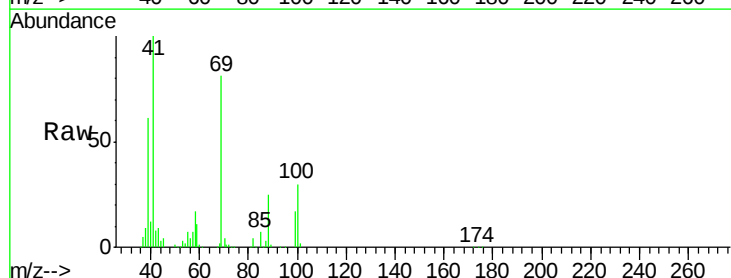
Tgt Ion: 41 Resp: 148943

Ion Ratio Lower Upper

41 100

69 83.3 67.3 100.9

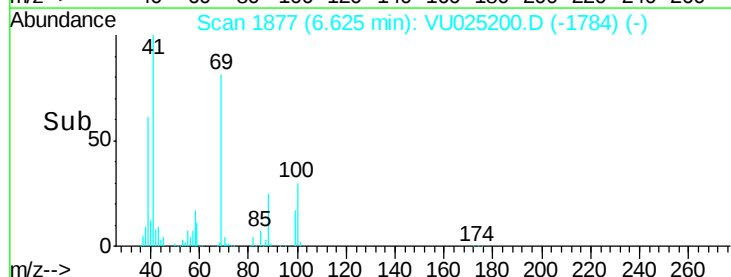
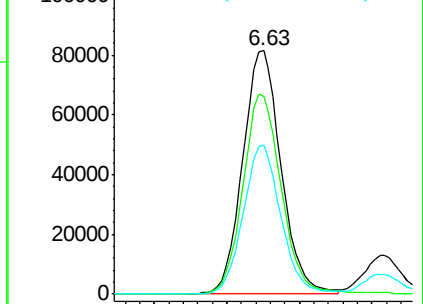
39 60.5 46.5 69.7

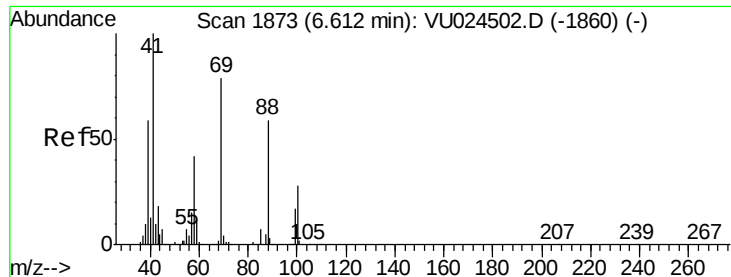


Abundance Ion 41.00 (40.70 to 41.70): VU025200.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025200.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025200.D (-1784) (-)





#49

1,4-Dioxane

Concen: 1250.059 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

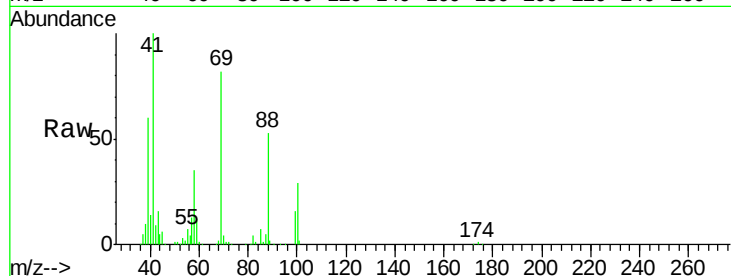
Tot Ion: 88 Resp: 65259

Ion Ratio Lower Upper

88 100

43 31.2 28.6 42.8

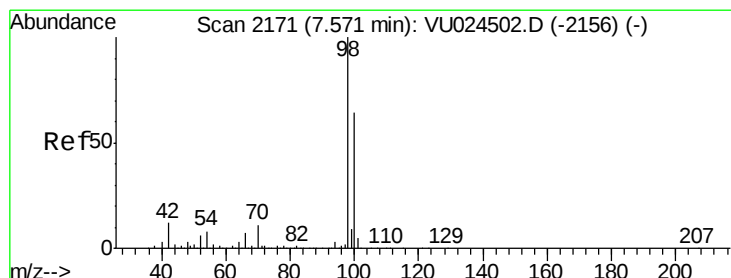
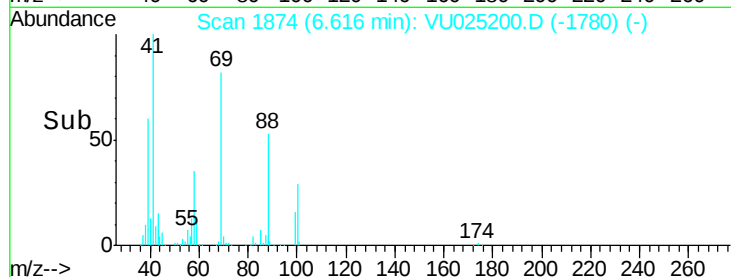
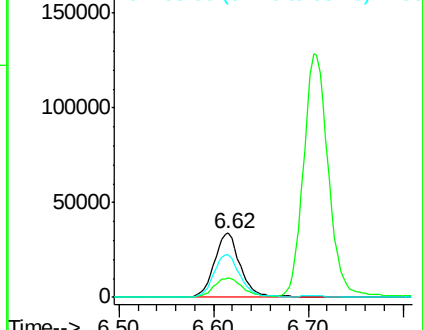
58 67.4 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 44.500 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025200.D

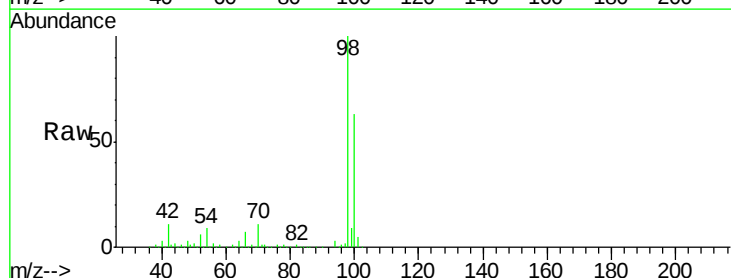
Acq: 03 Jul 2018 19:39

Tgt Ion: 98 Resp: 333584

Ion Ratio Lower Upper

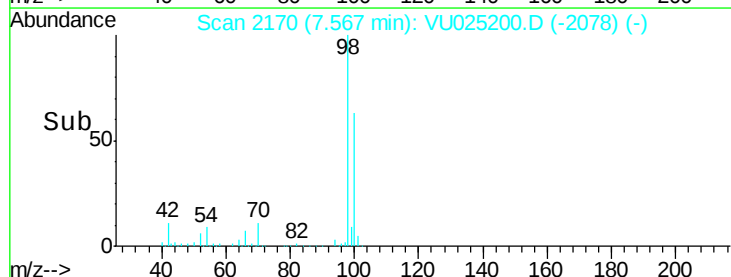
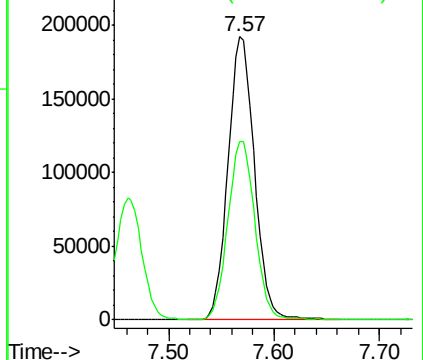
98 100

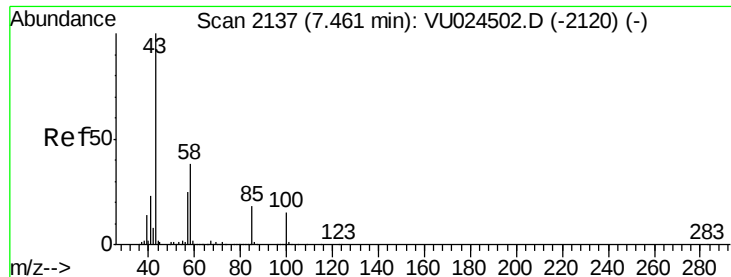
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 276.929 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

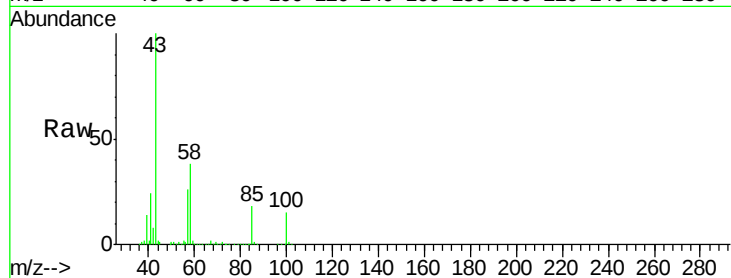
WP021MW011-180627MS

Tot Ion: 43 Resp: 953783

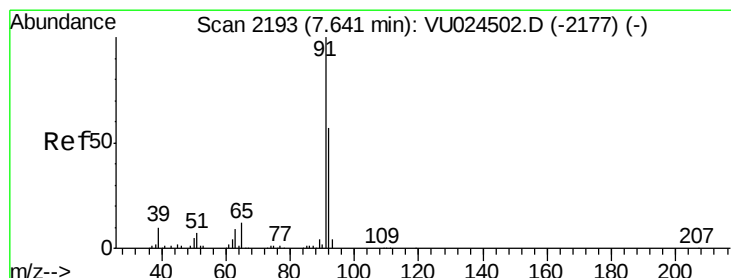
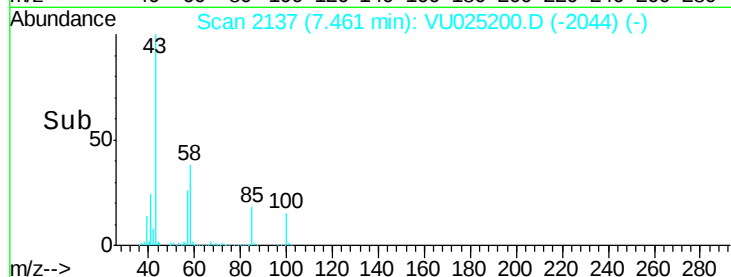
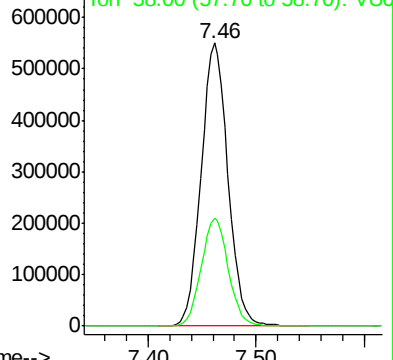
Ion Ratio Lower Upper

43 100

58 38.4 30.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)



#52

Toluene

Concen: 52.500 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025200.D

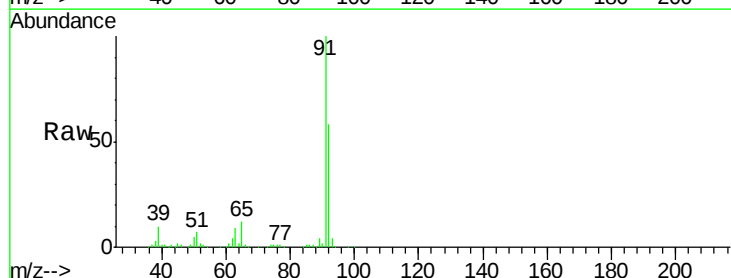
Acq: 03 Jul 2018 19:39

Tgt Ion: 92 Resp: 280056

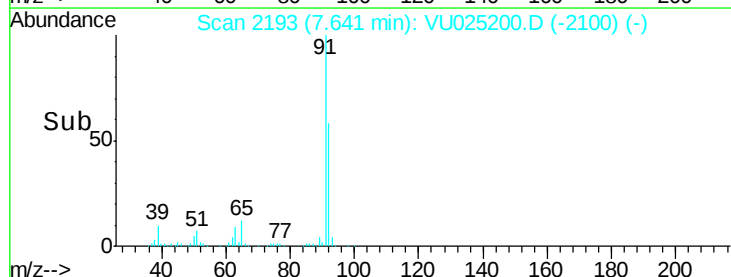
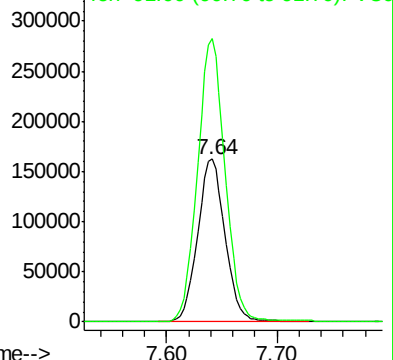
Ion Ratio Lower Upper

92 100

91 175.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU024502.D (-2177) (-)





#53

t-1,3-Dichloropropene

Concen: 49.815 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

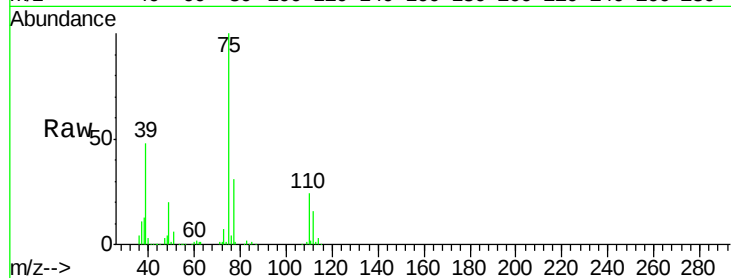
WP021MW011-180627MS

Tot Ion: 75 Resp: 173111

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

60000

40000

20000

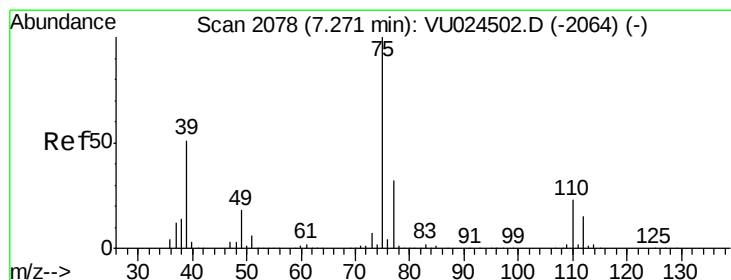
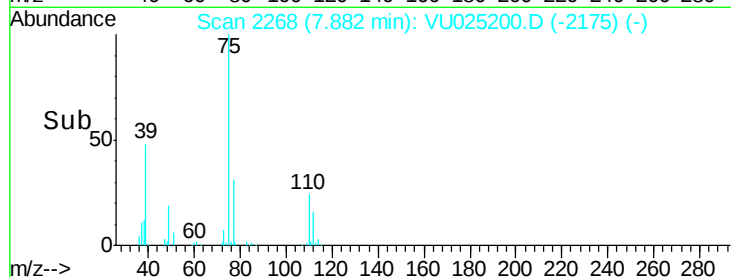
0

Time-->

7.80

7.90

8.00



#54

cis-1,3-Dichloropropene

Concen: 48.685 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

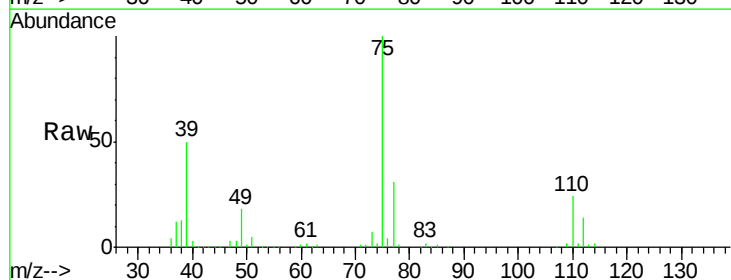
Tgt Ion: 75 Resp: 180276

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 50.1 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

100000

50000

0

Time-->

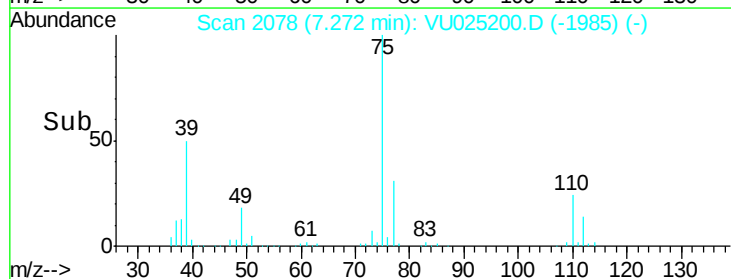
7.20

7.25

7.30

7.35

7.40

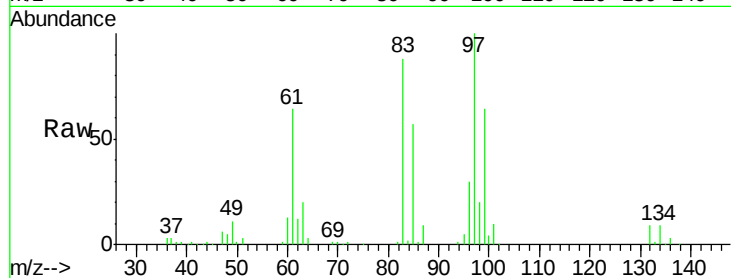




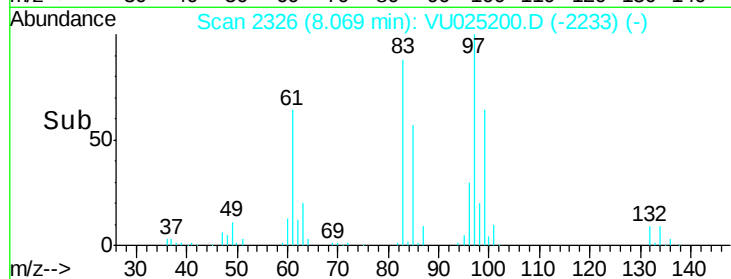
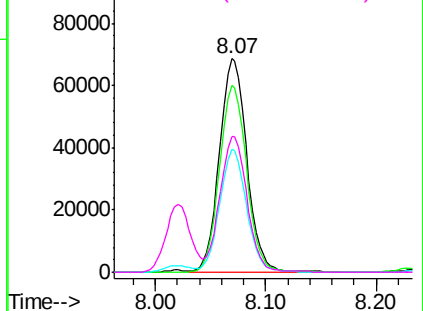
#55
 1,1,2-Trichloroethane
 Concen: 54.905 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MS

Tot Ion:	97	Resp:	119055
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	57.4	46.4	69.6
99	63.6	50.2	75.2

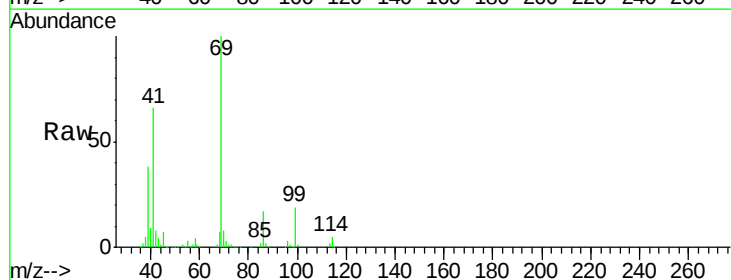


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

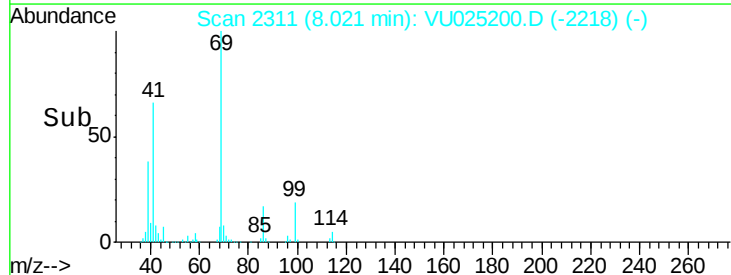
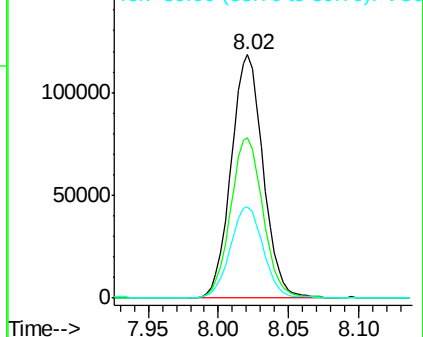


#56
 Ethyl methacrylate
 Concen: 51.953 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025200.D
 Acq: 03 Jul 2018 19:39

Tgt Ion:	69	Resp:	188554
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.1	81.1
39	38.3	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 55.418 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

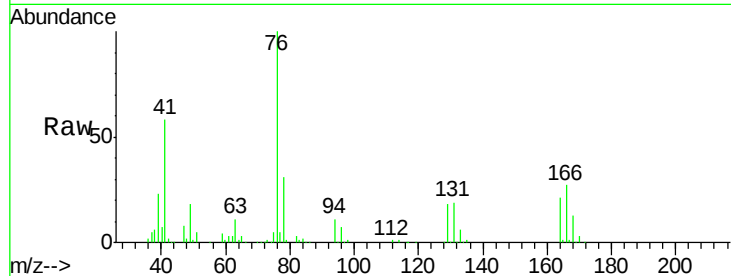
WP021MW011-180627MS

Tot Ion: 76 Resp: 202714

Ion Ratio Lower Upper

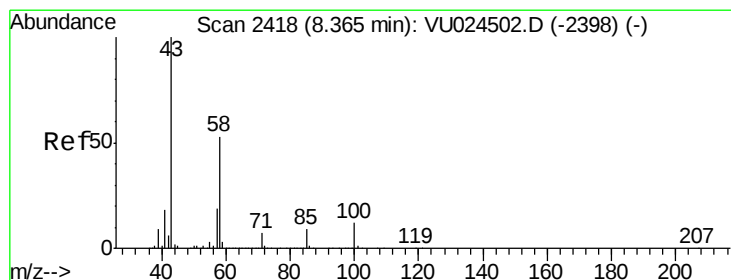
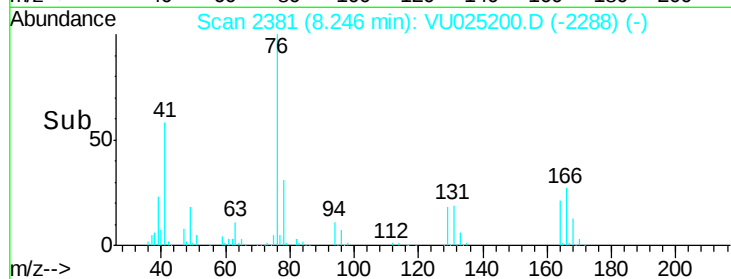
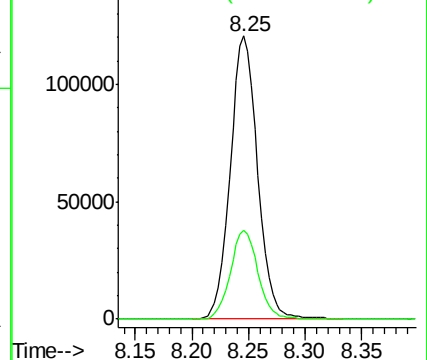
76 100

78 31.7 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 268.476 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU025200.D

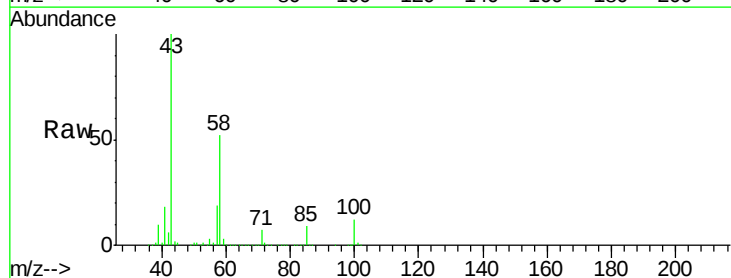
Acq: 03 Jul 2018 19:39

Tgt Ion: 43 Resp: 754906

Ion Ratio Lower Upper

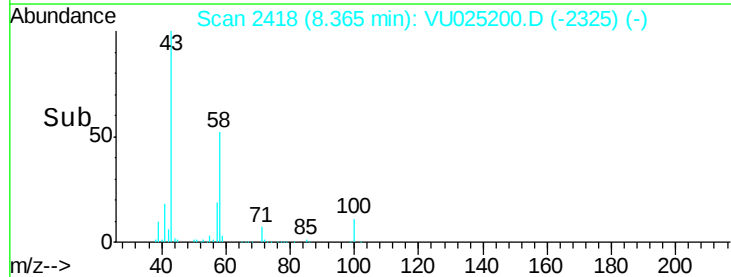
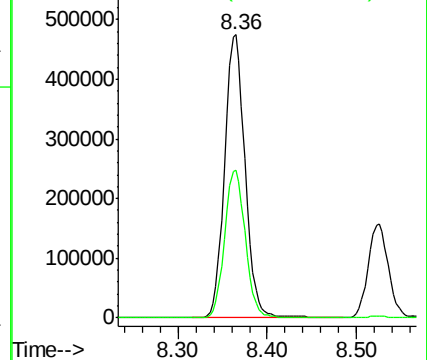
43 100

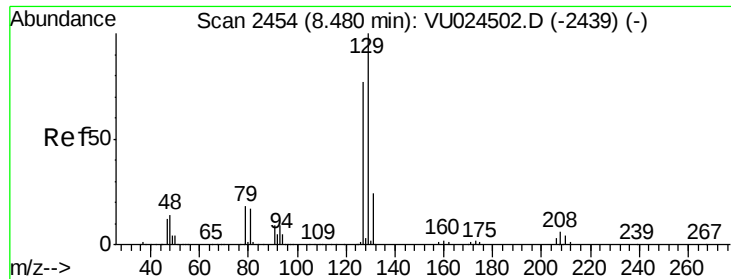
58 53.0 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 50.727 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

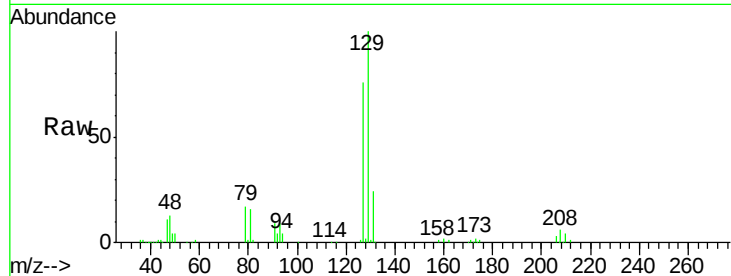
WP021MW011-180627MS

Tot Ion:129 Resp: 137164

Ion Ratio Lower Upper

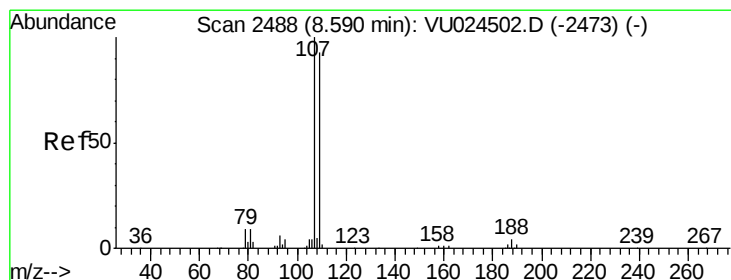
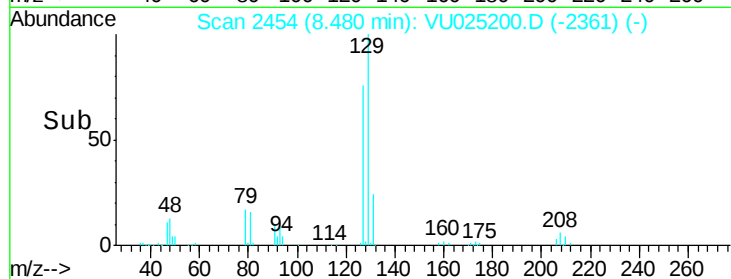
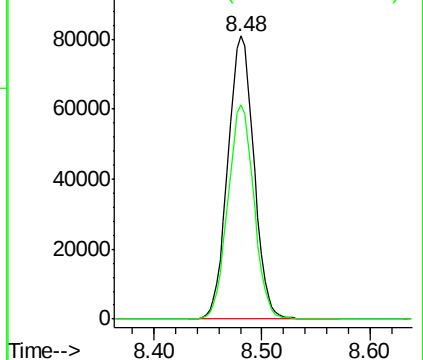
129 100

127 75.4 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.297 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025200.D

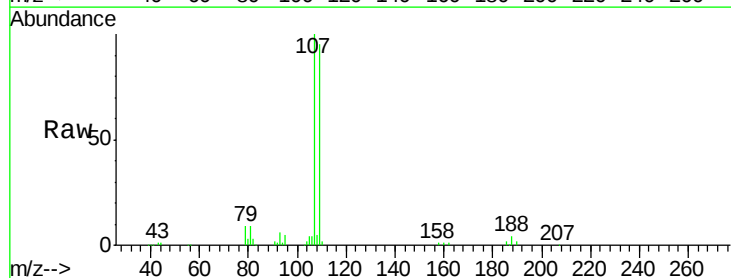
Acq: 03 Jul 2018 19:39

Tgt Ion:107 Resp: 131045

Ion Ratio Lower Upper

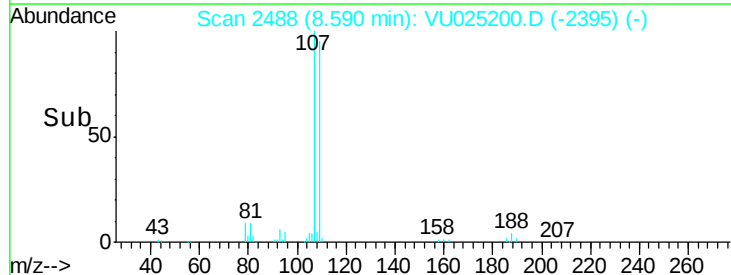
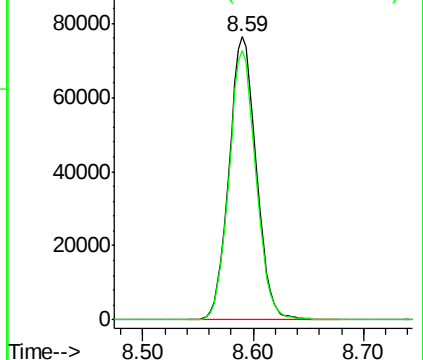
107 100

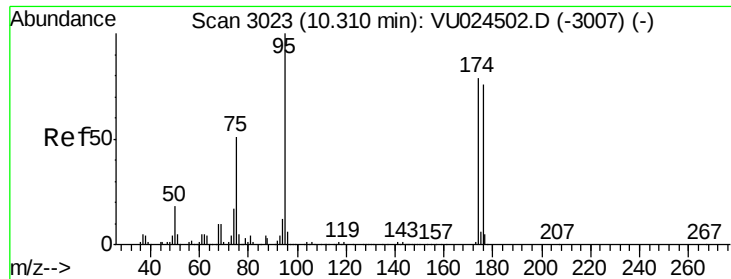
109 94.3 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.357 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

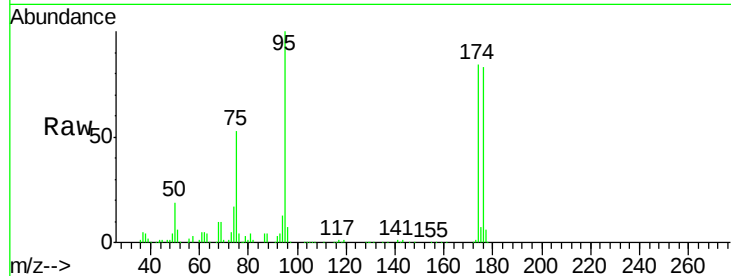
Tot Ion: 95 Resp: 143928

Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.8

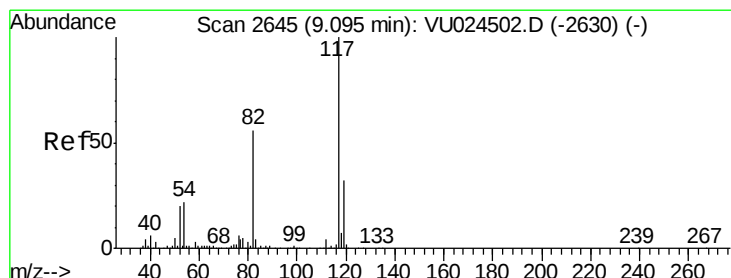
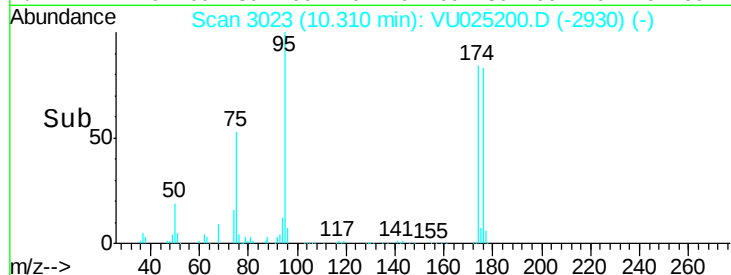
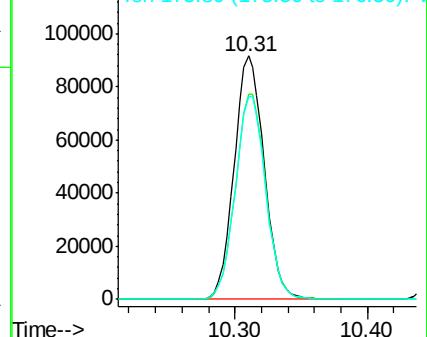
176 84.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025200.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025200.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025200.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

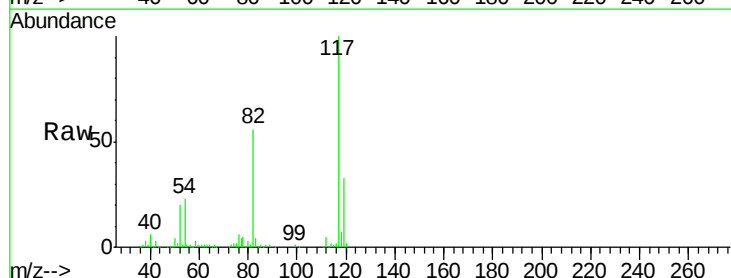
Tgt Ion: 117 Resp: 230965

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

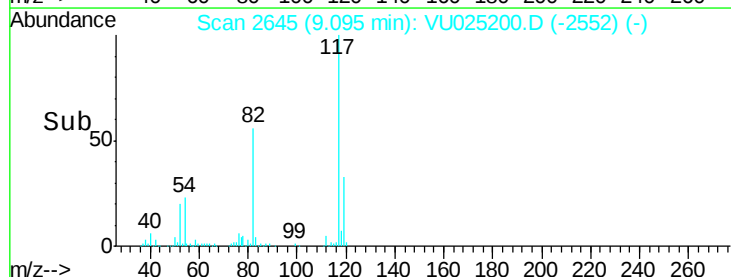
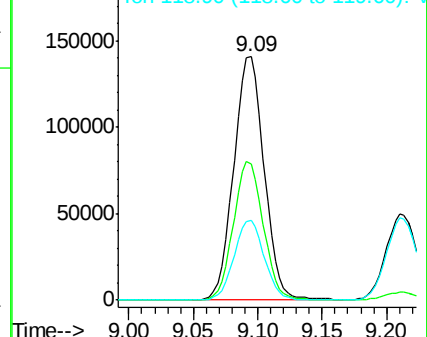
119 32.8 25.4 38.2

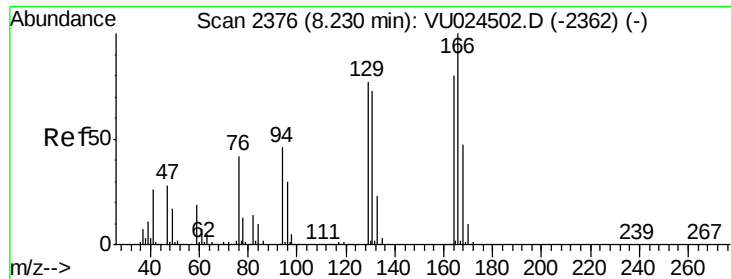


Abundance Ion 116.90 (116.60 to 117.60): VU025200.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025200.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025200.D (-2552) (-)

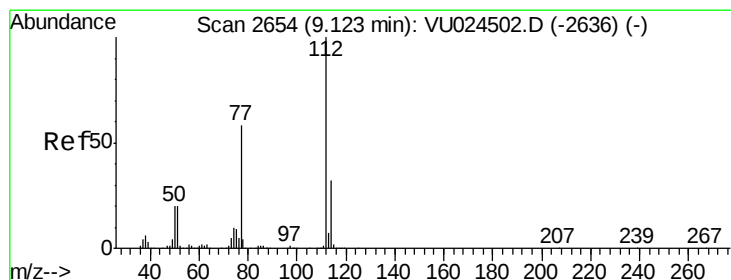
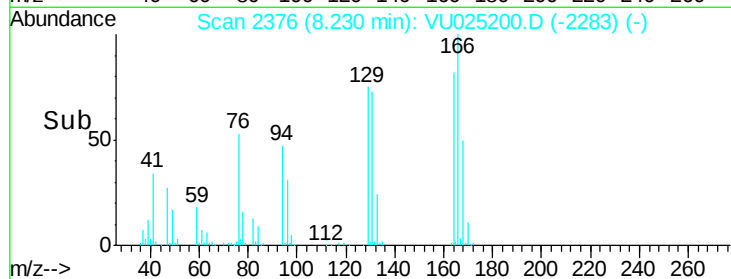
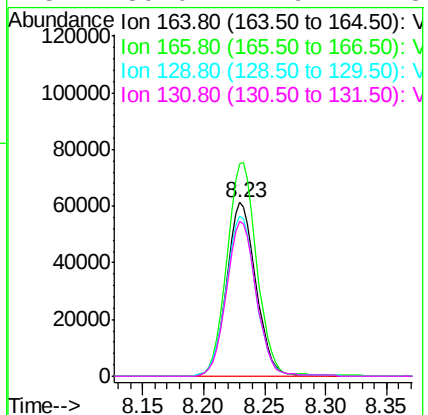
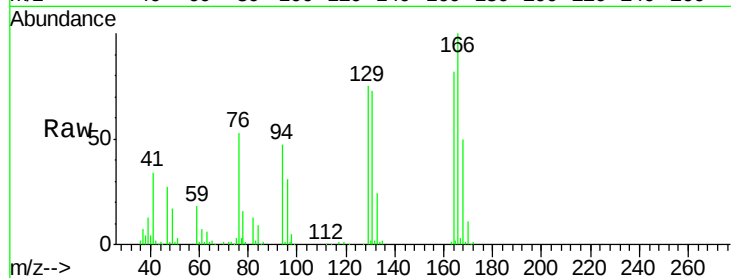




#64
Tetrachloroethene
Concen: 47.048 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

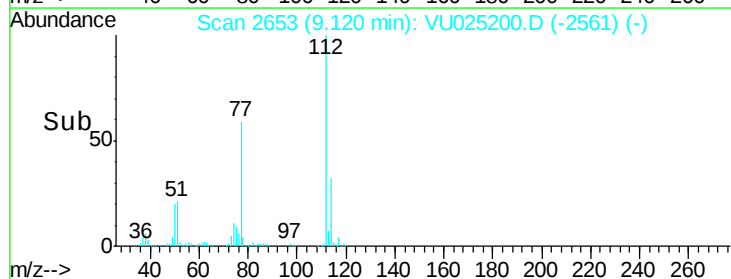
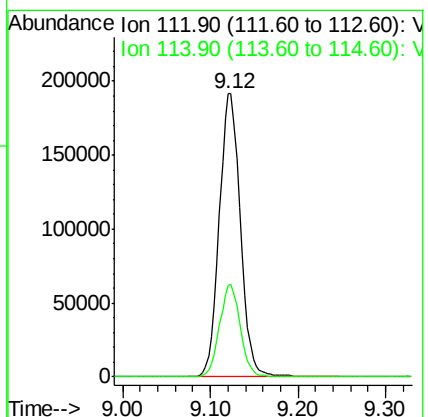
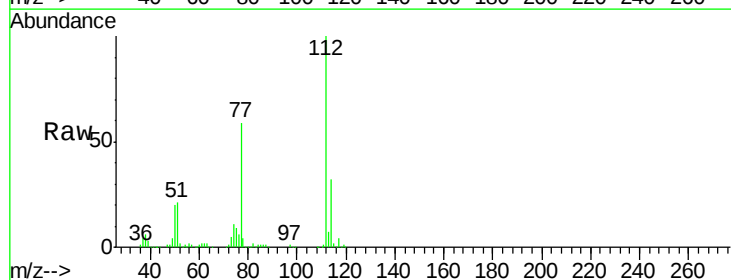
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

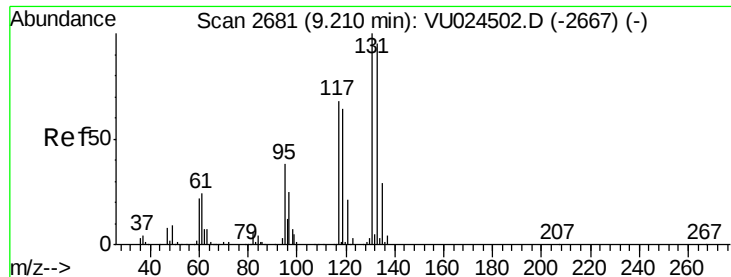
Tot Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.7	152.5
129	92.5	76.9	115.3
131	89.0	74.9	112.3



#65
Chlorobenzene
Concen: 54.557 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 55.435 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

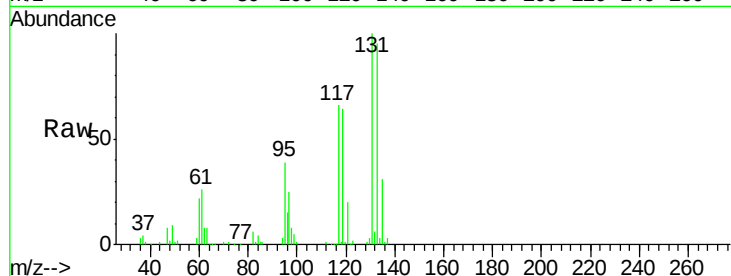
Tot Ion:131 Resp: 124265

Ion Ratio Lower Upper

131 100

133 94.7 46.9 140.8

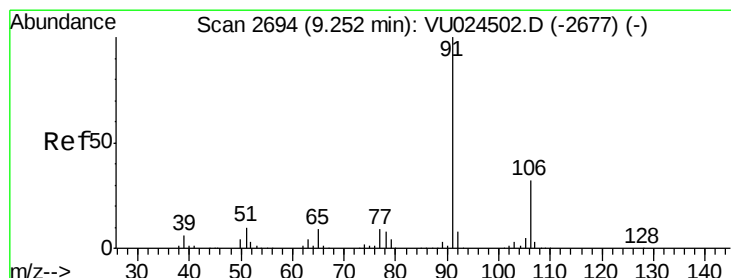
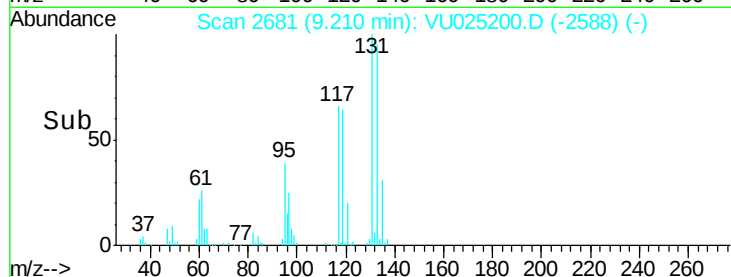
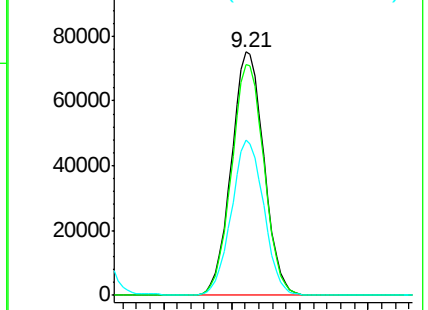
119 63.6 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 54.157 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025200.D

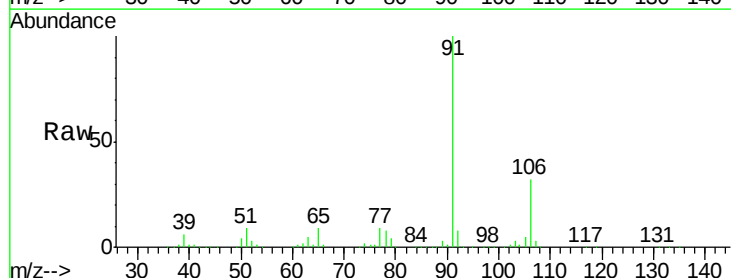
Acq: 03 Jul 2018 19:39

Tgt Ion: 91 Resp: 560184

Ion Ratio Lower Upper

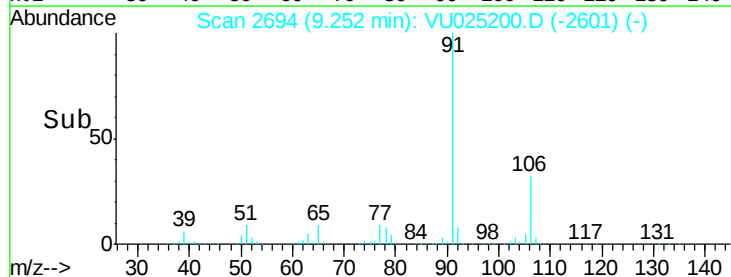
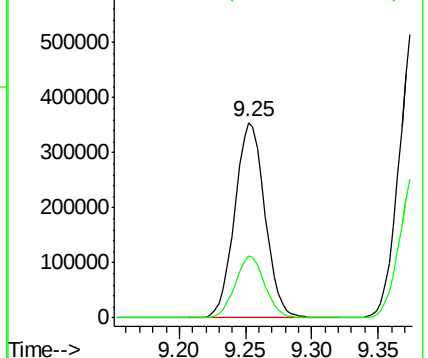
91 100

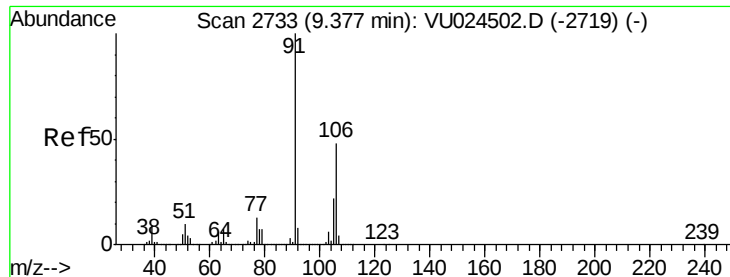
106 31.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

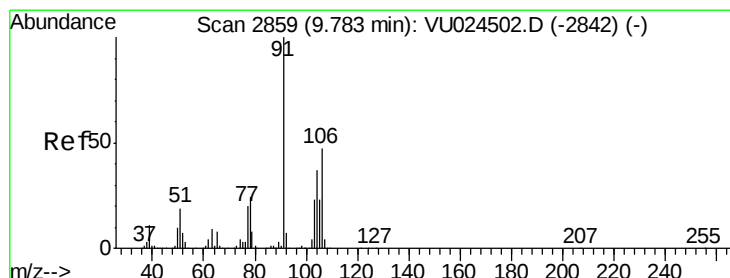
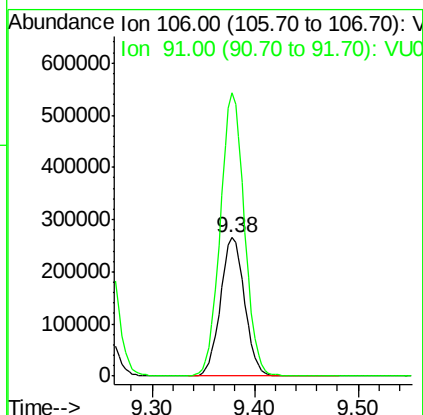
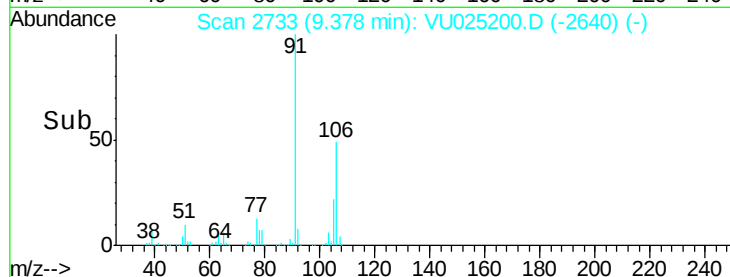
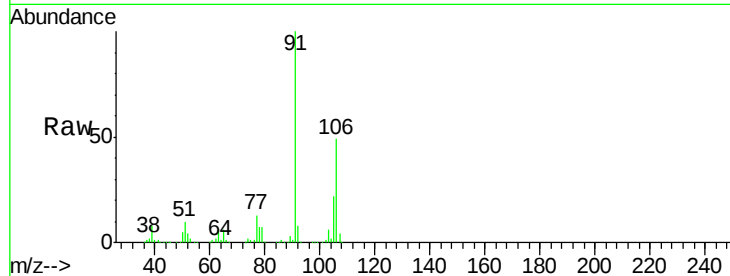




#68
m/p-Xylenes
Concen: 109.117 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

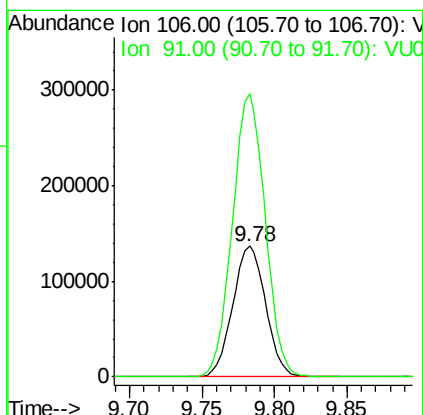
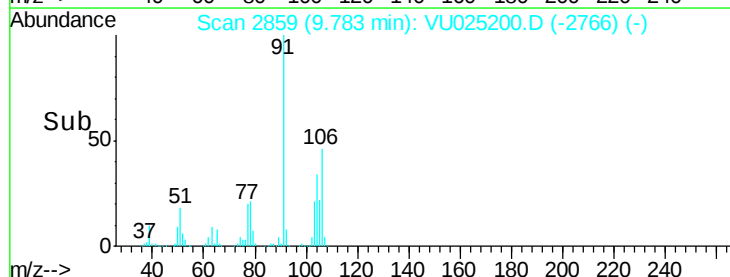
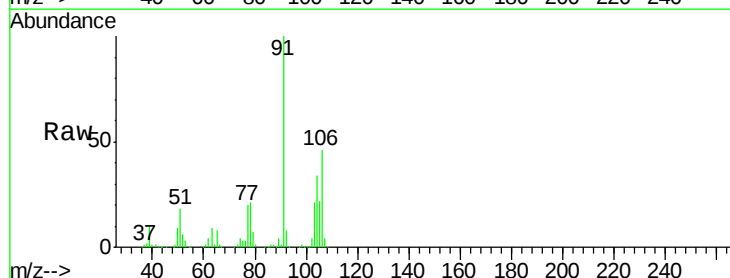
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

Tot Ion:106 Resp: 433412
Ion Ratio Lower Upper
106 100
91 202.9 166.5 249.7



#69
o-Xylene
Concen: 54.703 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion:106 Resp: 215035
Ion Ratio Lower Upper
106 100
91 216.0 110.7 331.9

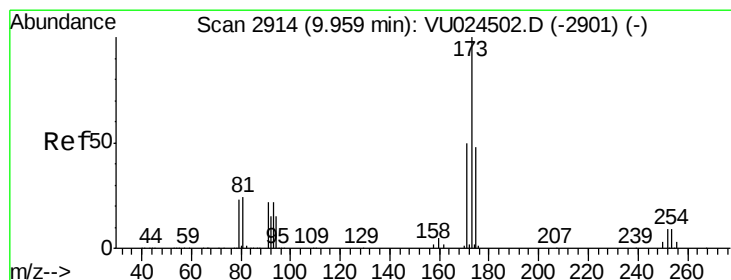
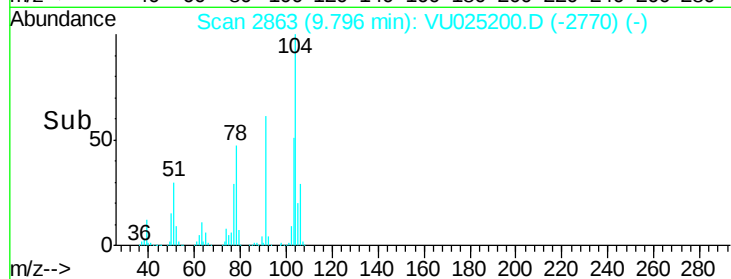
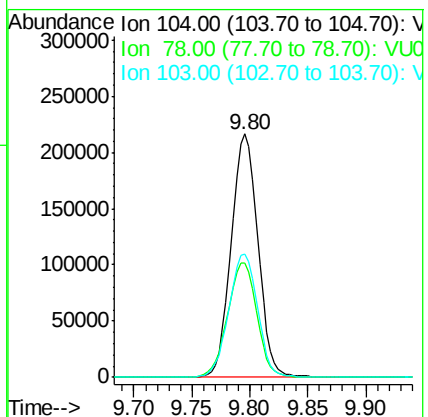
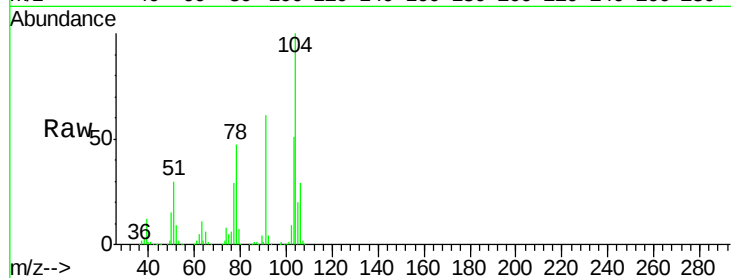




#70
Stvrene
Concen: 53.316 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

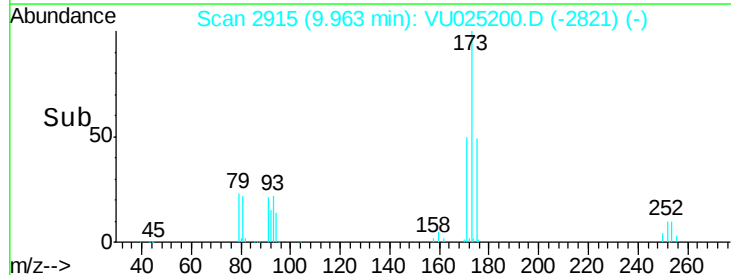
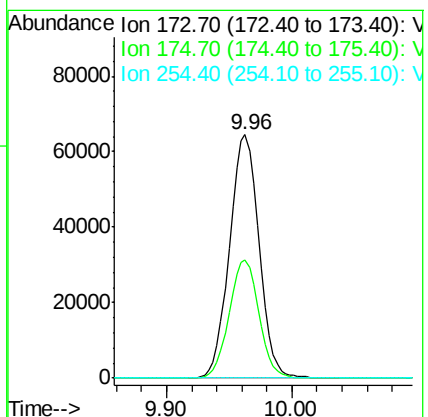
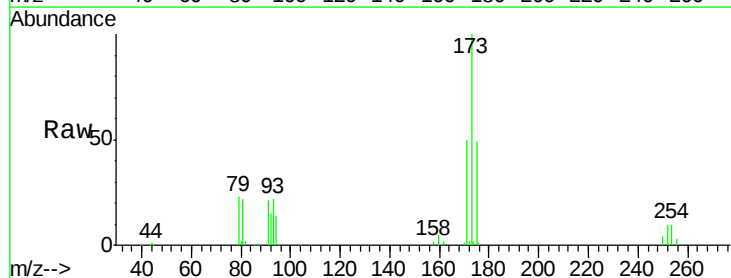
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

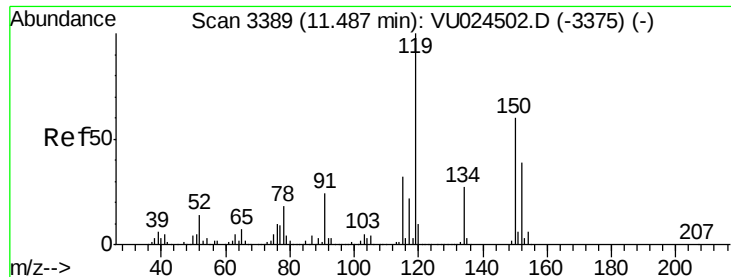
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.6	40.6	60.8
103	54.7	44.7	67.1



#71
Bromoform
Concen: 49.480 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

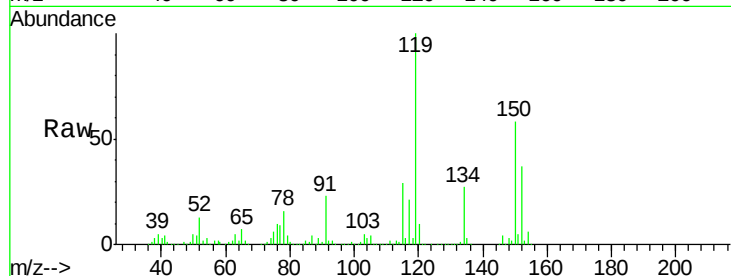
Tot Ion:152 Resp: 140532

Ion Ratio Lower Upper

152 100

115 86.2 43.0 129.0

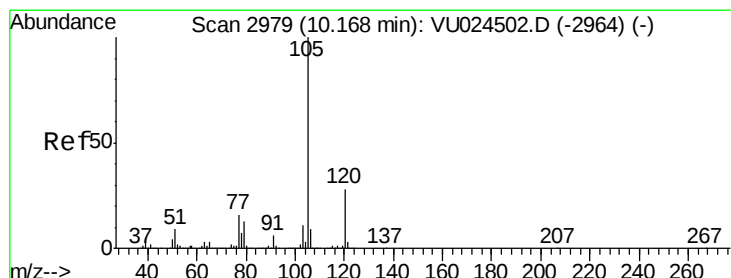
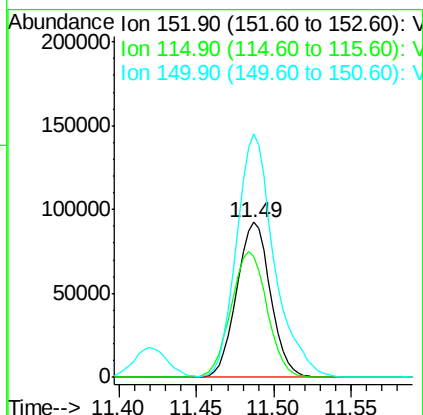
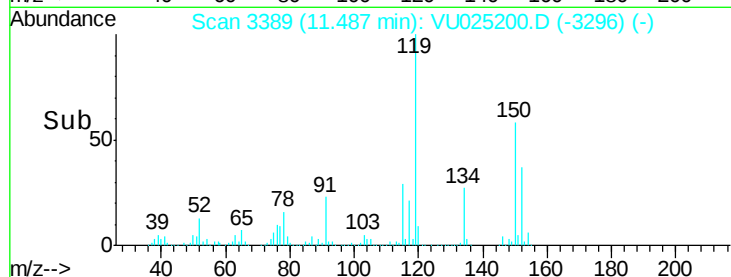
150 175.0 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.383 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025200.D

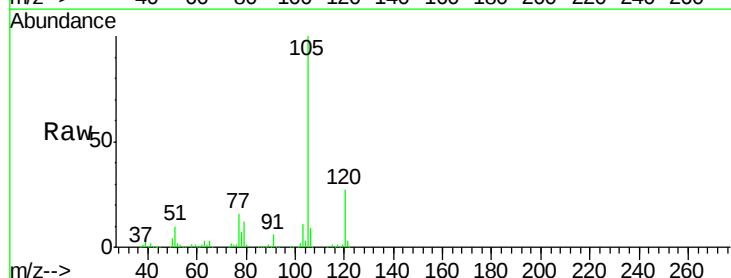
Acq: 03 Jul 2018 19:39

Tgt Ion:105 Resp: 575973

Ion Ratio Lower Upper

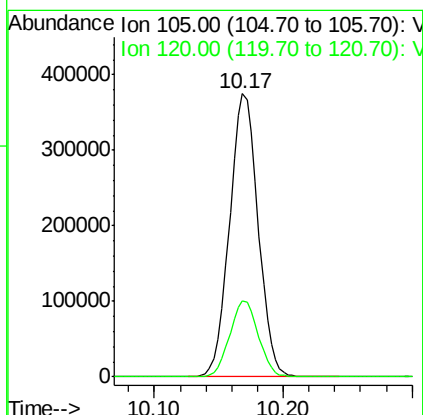
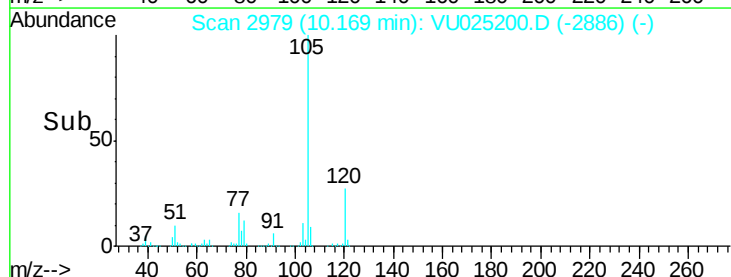
105 100

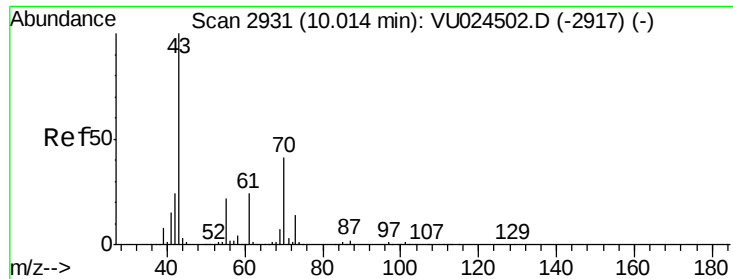
120 27.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.632 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

Tot Ion: 43 Resp: 249578

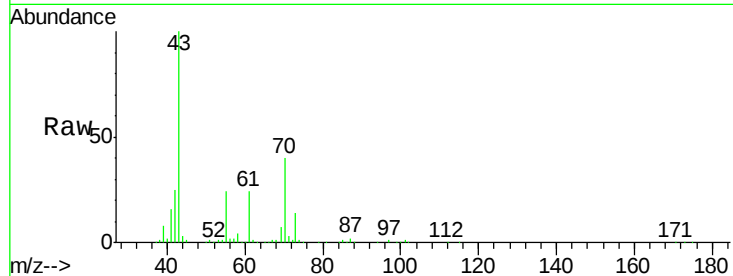
Ion Ratio Lower Upper

43 100

70 40.0 32.2 48.4

55 23.8 20.5 30.7

61 23.3 18.7 28.1

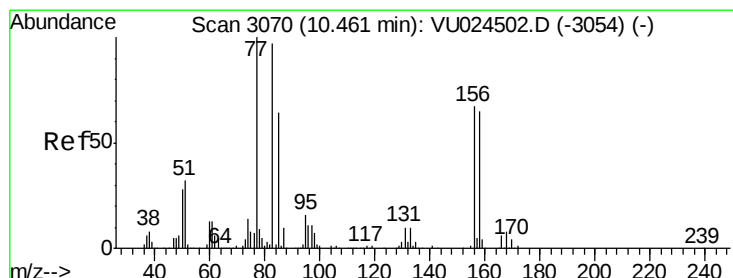
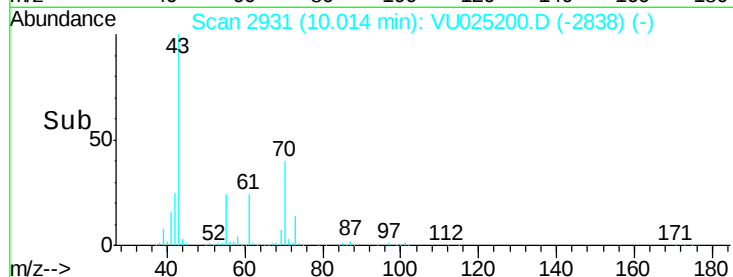
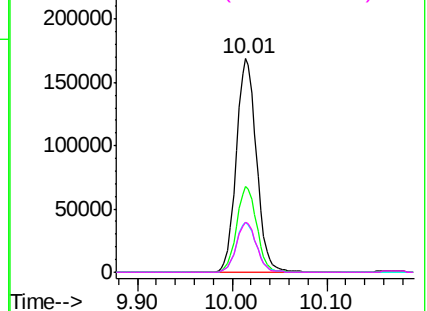


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 55.412 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

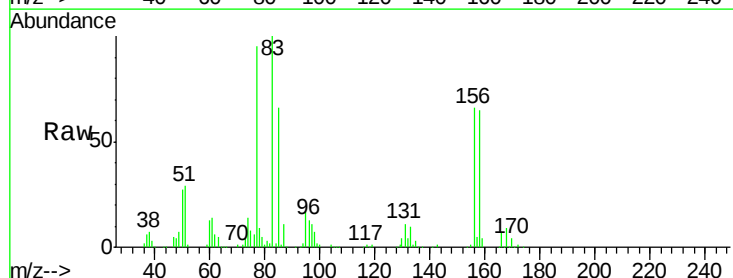
Tgt Ion: 83 Resp: 200348

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

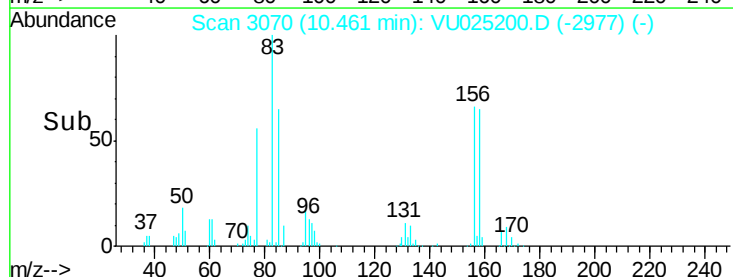
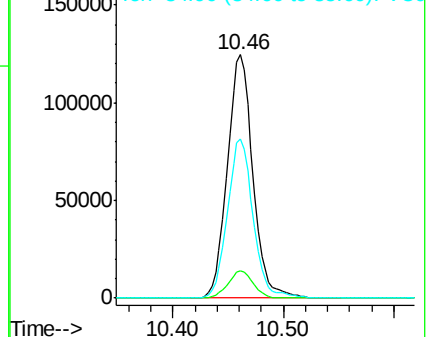
85 65.8 32.5 97.5

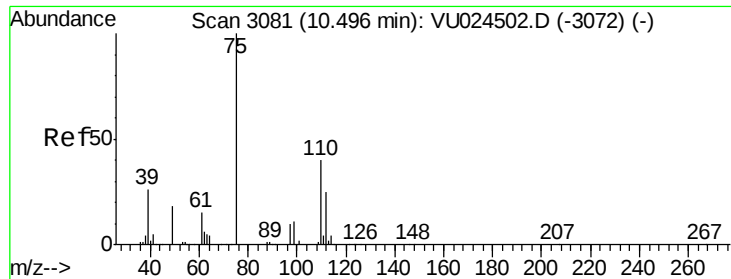


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 74.758 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

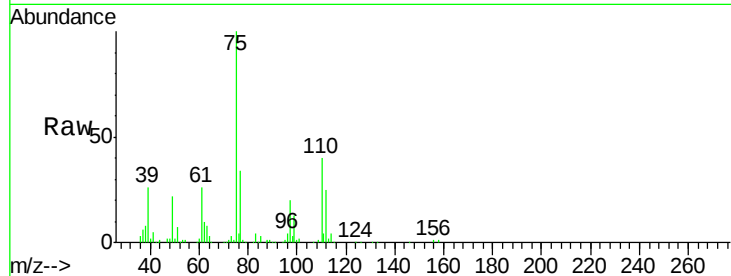
WP021MW011-180627MS

Tot Ion: 75 Resp: 231301

Ion Ratio Lower Upper

75 100

77 32.6 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

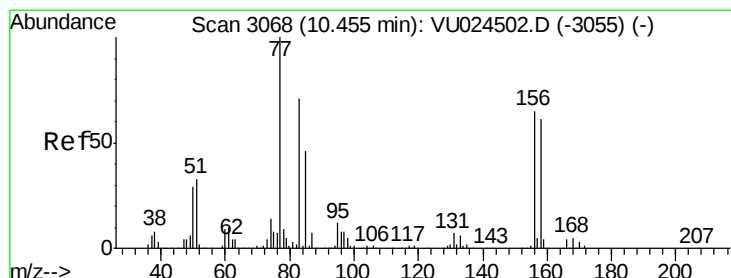
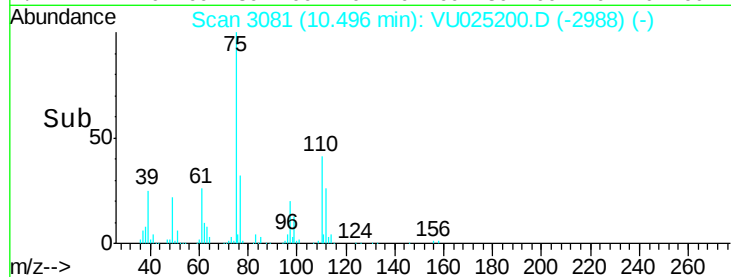
100000

50000

0

10.45 10.50 10.55

Time-->



#77

Bromobenzene

Concen: 54.881 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

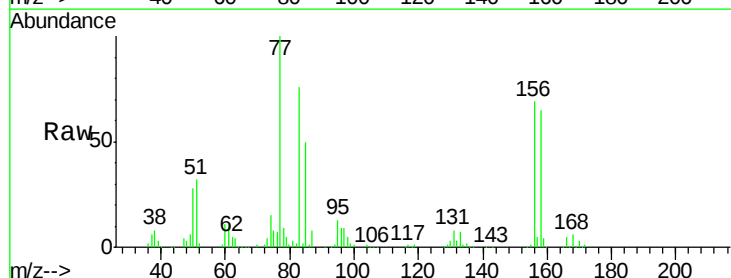
Tgt Ion: 156 Resp: 149908

Ion Ratio Lower Upper

156 100

77 148.6 80.5 241.3

158 97.0 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V

150000

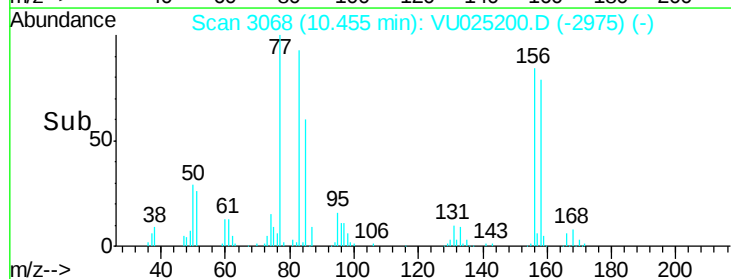
100000

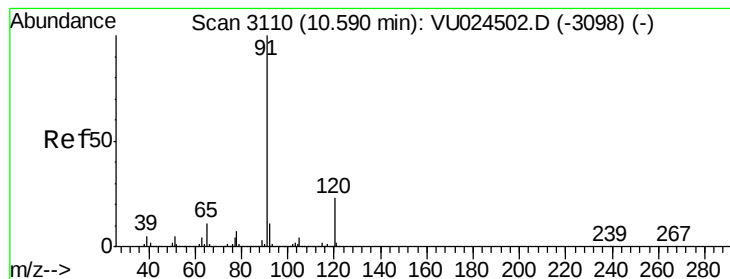
50000

0

10.40 10.50

Time-->





#78

n-propylbenzene

Concen: 50.847 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

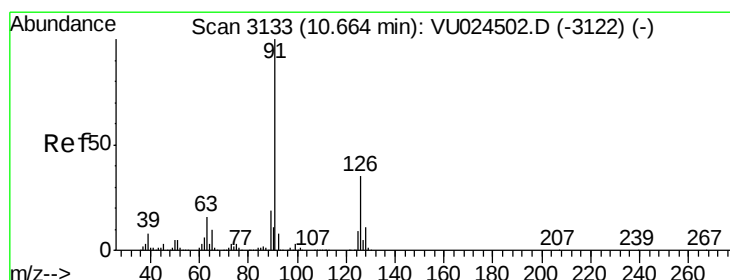
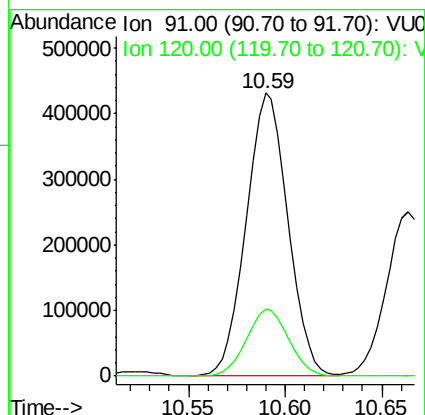
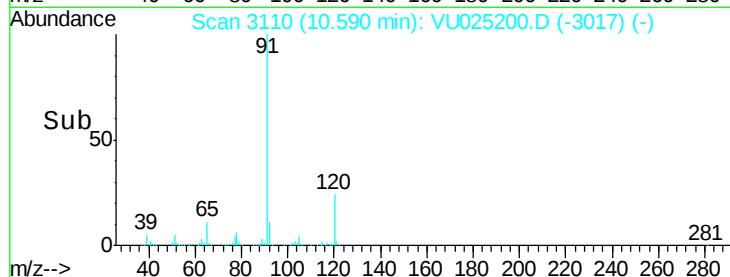
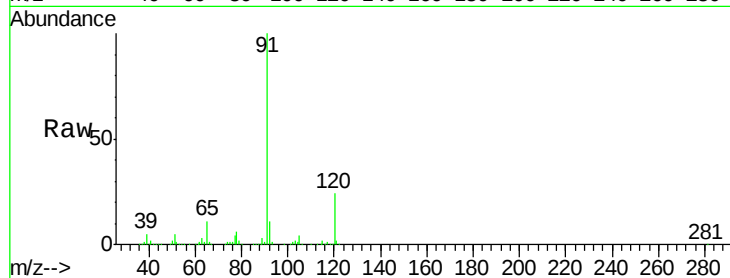
WP021MW011-180627MS

Tot Ion: 91 Resp: 646265

Ion Ratio Lower Upper

91 100

120 23.9 11.2 33.5



#79

2-Chlorotoluene

Concen: 52.417 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025200.D

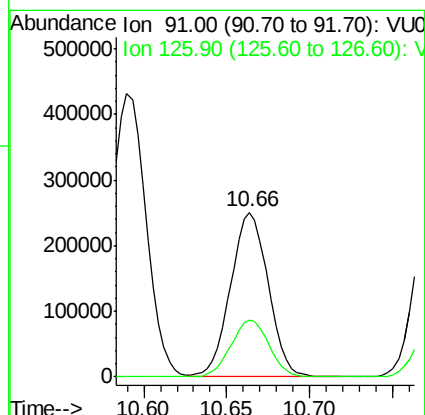
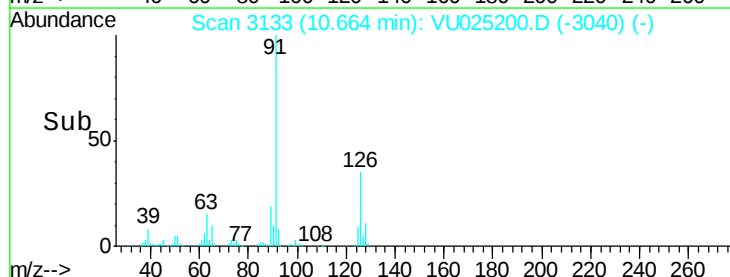
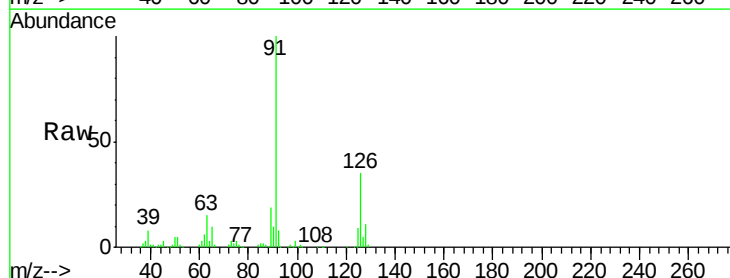
Acq: 03 Jul 2018 19:39

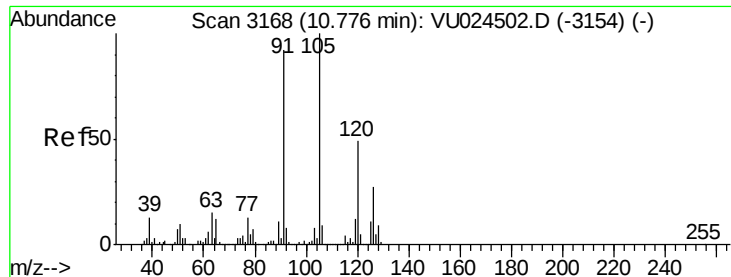
Tgt Ion: 91 Resp: 392877

Ion Ratio Lower Upper

91 100

126 35.1 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 53.275 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

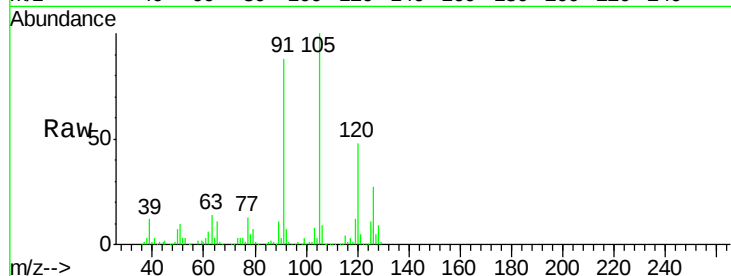
WP021MW011-180627MS

Tot Ion:105 Resp: 498211

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

300000

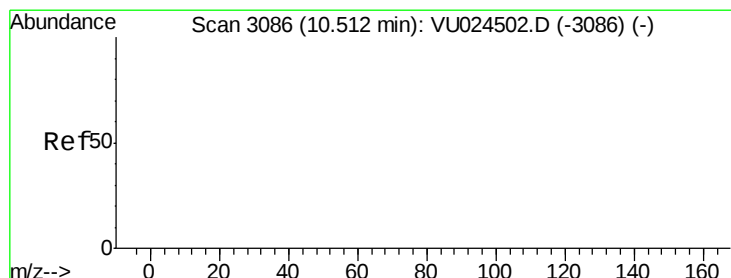
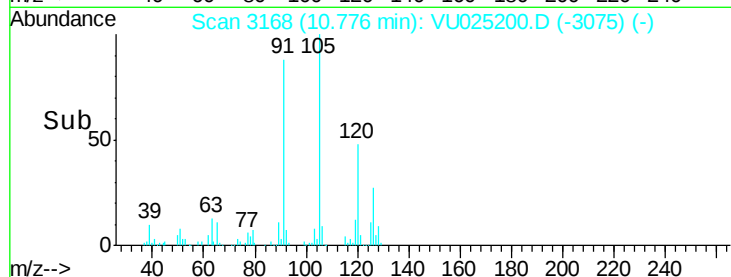
200000

100000

0

Time-->

10.70 10.80



#81

trans-1,4-Dichloro-2-butene

Concen: 173.021 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

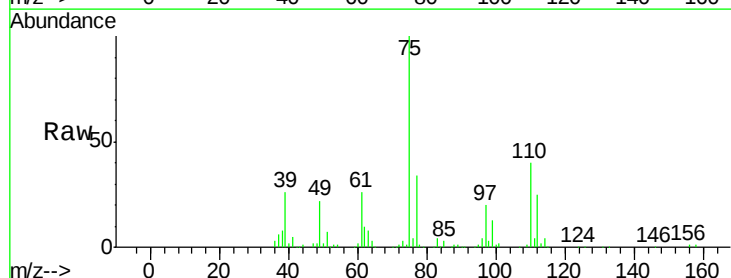
Tgt Ion: 75 Resp: 231301

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.50

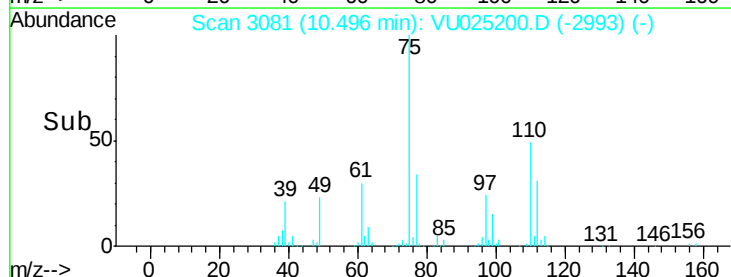
100000

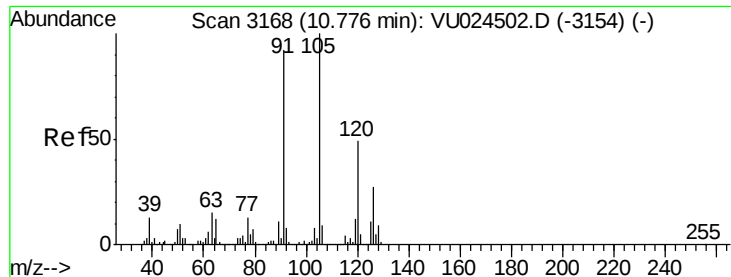
50000

0

Time-->

10.45 10.50 10.55





#82

4-Chlorotoluene

Concen: 52.112 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

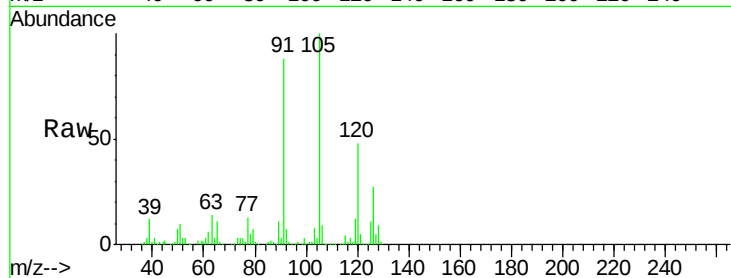
WP021MW011-180627MS

Tot Ion: 91 Resp: 454614

Ion Ratio Lower Upper

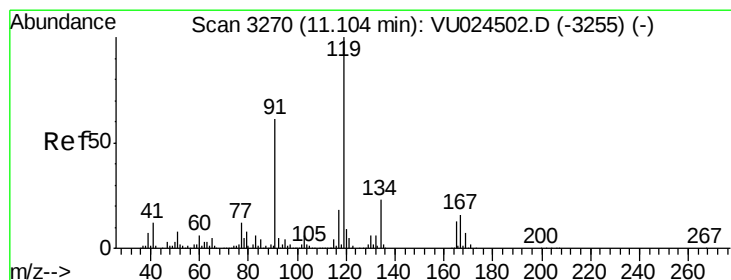
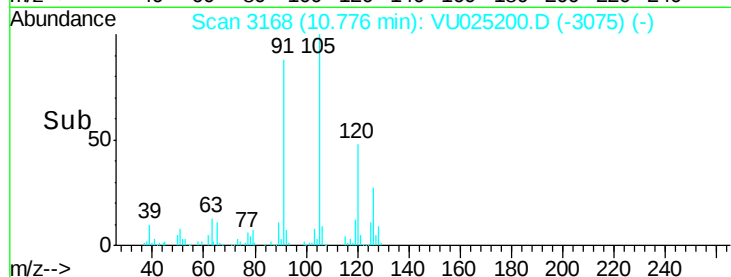
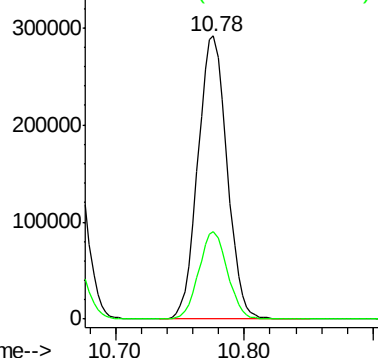
91 100

126 30.5 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 55.963 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

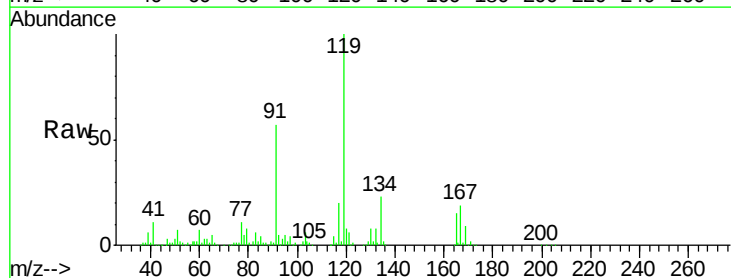
Tgt Ion: 119 Resp: 503425

Ion Ratio Lower Upper

119 100

91 58.3 29.7 89.1

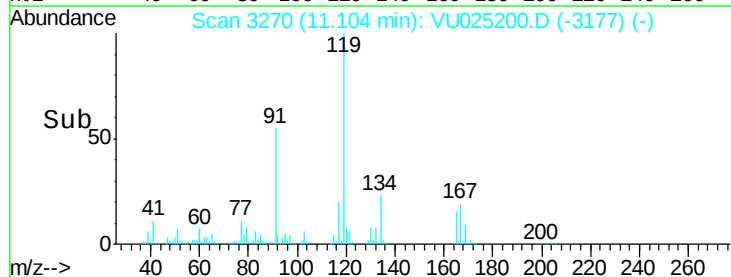
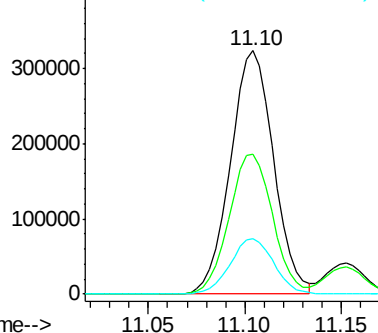
134 23.0 11.6 34.7

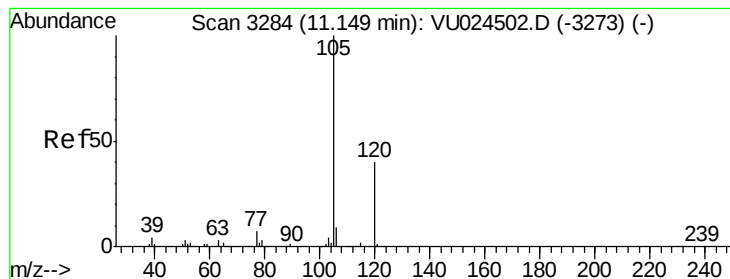


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 53.361 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

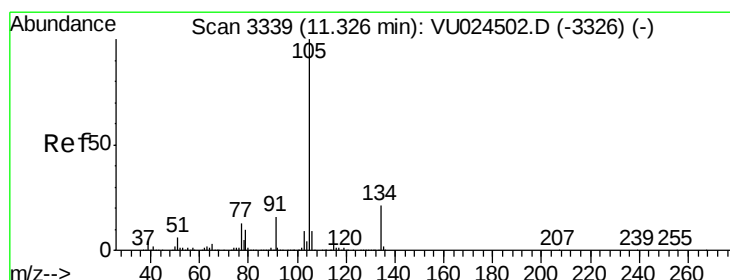
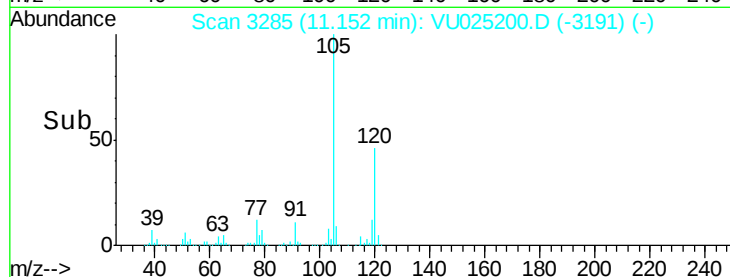
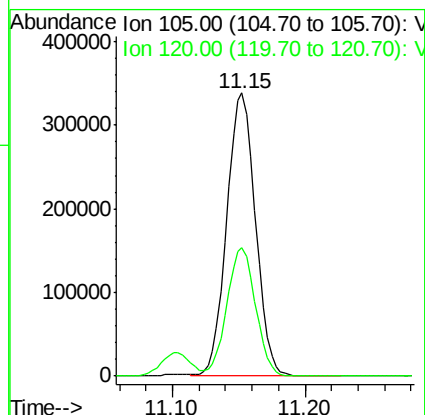
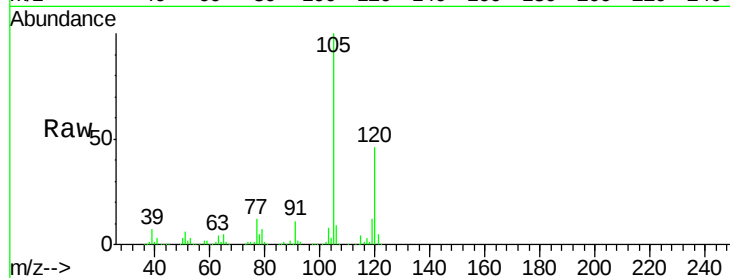
WP021MW011-180627MS

Tot Ion:105 Resp: 508542

Ion Ratio Lower Upper

105 100

120 45.5 22.6 67.8



#85

sec-Butylbenzene

Concen: 52.358 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025200.D

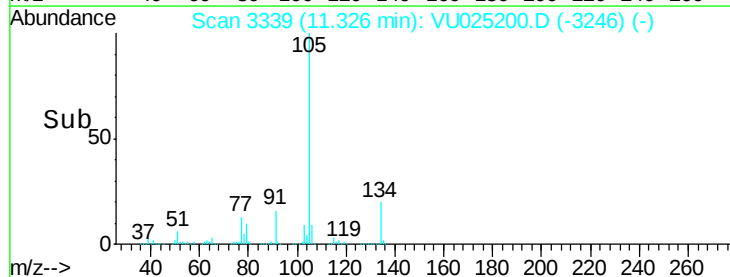
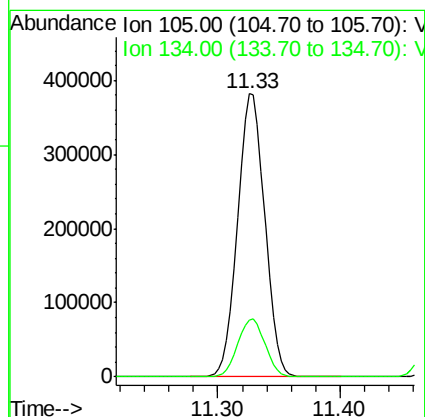
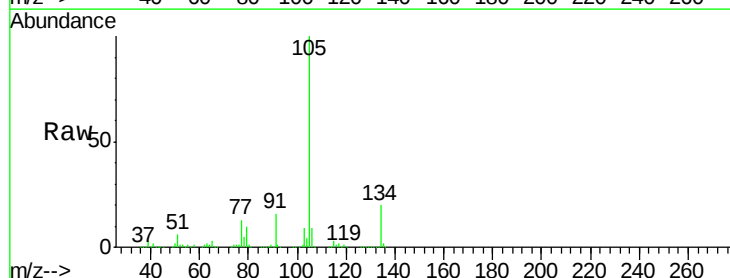
Acq: 03 Jul 2018 19:39

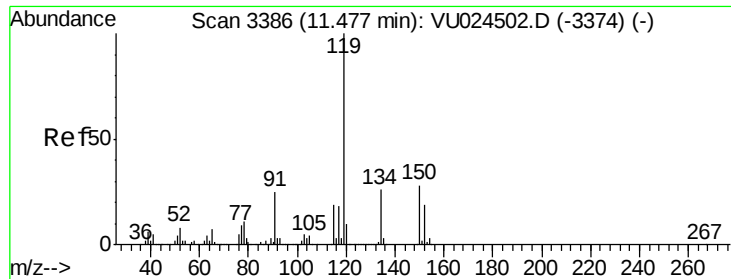
Tgt Ion:105 Resp: 589565

Ion Ratio Lower Upper

105 100

134 20.6 9.7 29.1

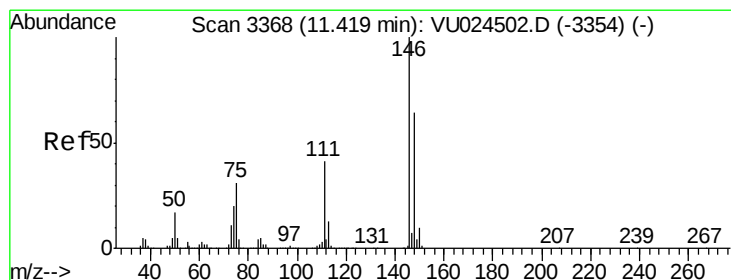
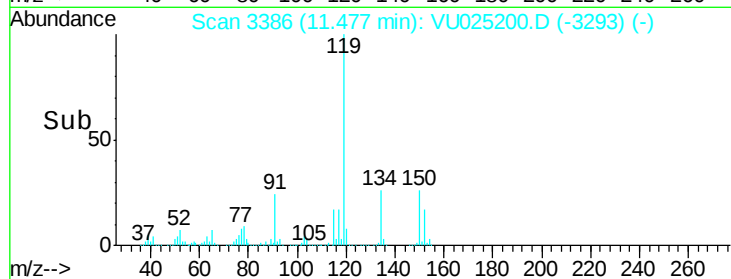
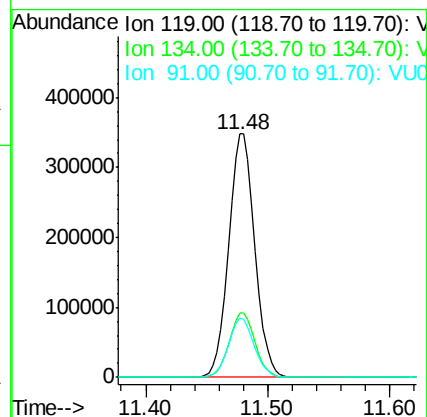
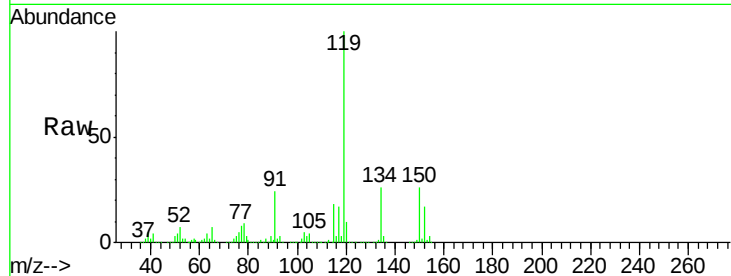




#86
p-Isopropyltoluene
Concen: 51.628 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

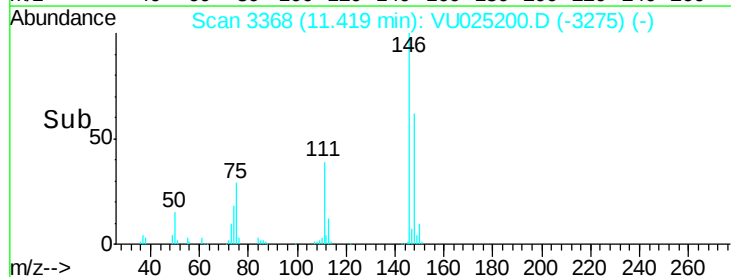
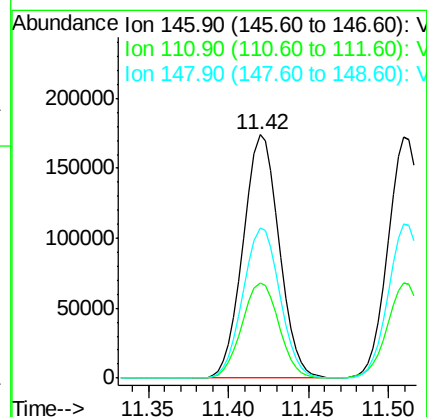
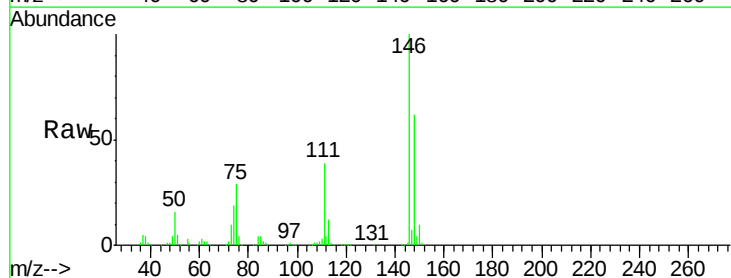
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MS

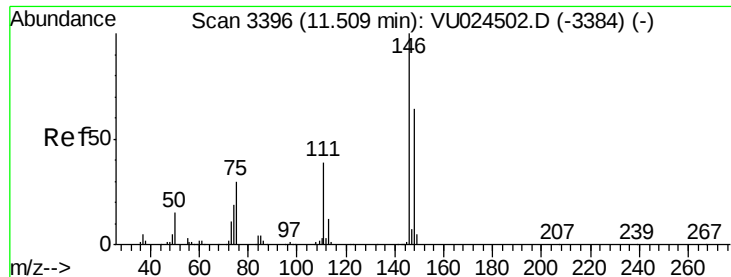
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	24.0	12.0	36.1



#87
1,3-Dichlorobenzene
Concen: 52.926 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025200.D
Acq: 03 Jul 2018 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.2	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 52.671 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

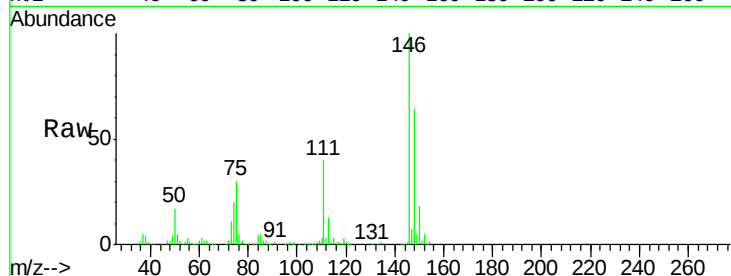
Tot Ion:146 Resp: 267532

Ion Ratio Lower Upper

146 100

111 39.5 19.5 58.5

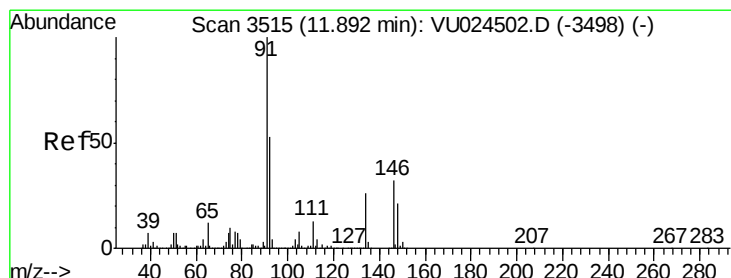
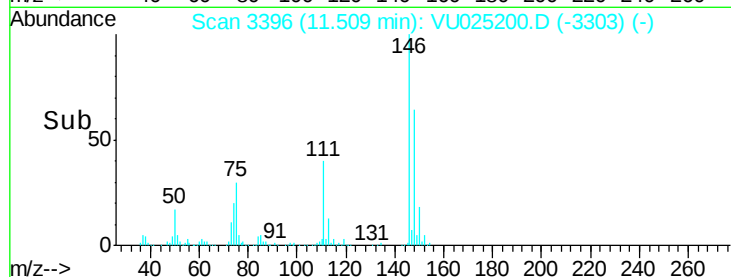
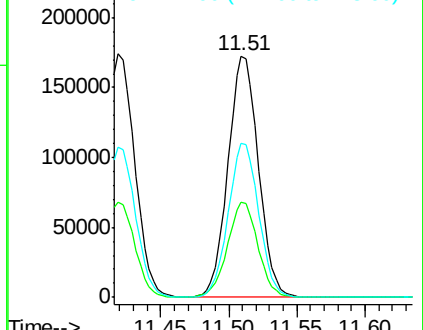
148 63.6 32.4 97.0



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: 46.166 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

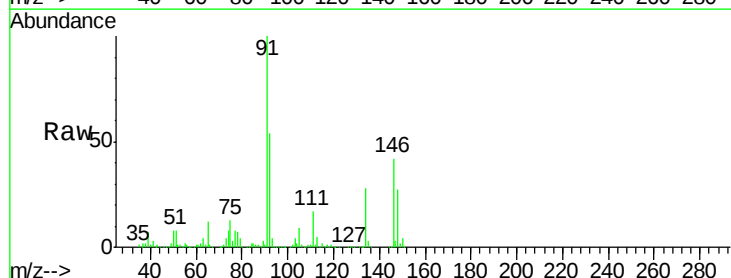
Tgt Ion: 91 Resp: 413347

Ion Ratio Lower Upper

91 100

92 53.2 25.6 76.8

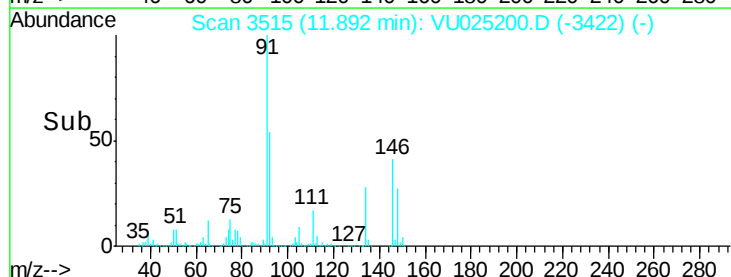
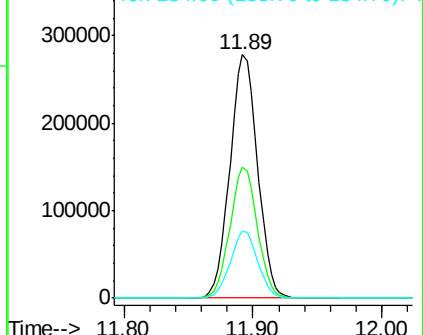
134 27.3 12.3 36.8

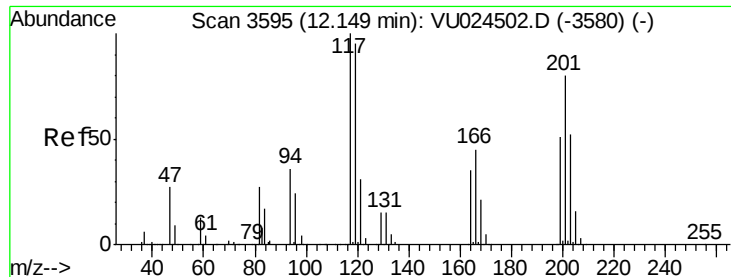


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 47.454 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

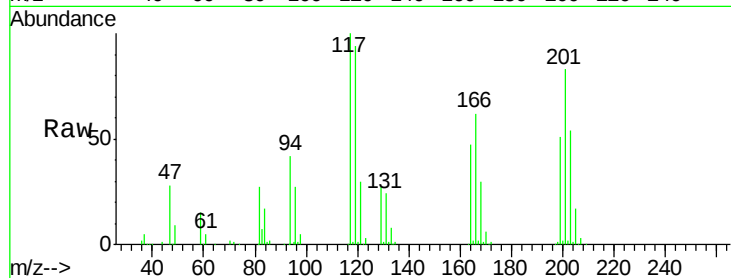
WP021MW011-180627MS

Tot Ion:117 Resp: 93356

Ion Ratio Lower Upper

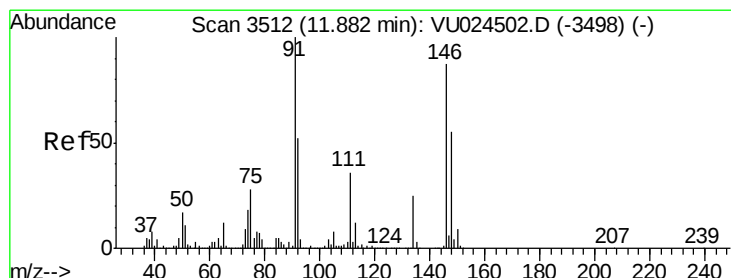
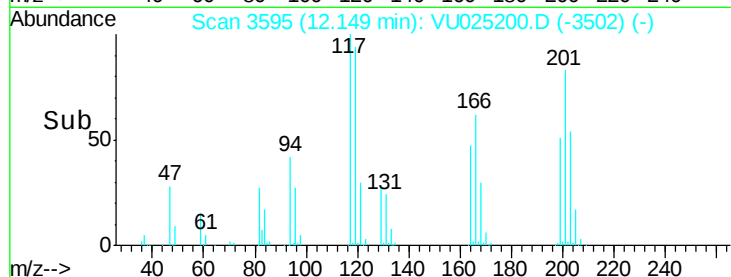
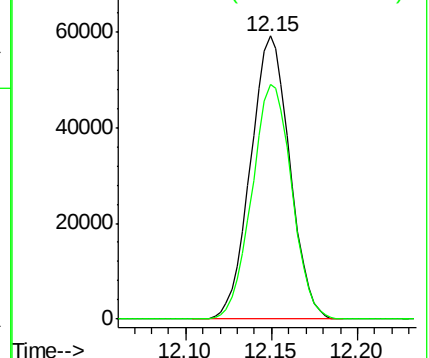
117 100

201 84.3 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 54.766 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

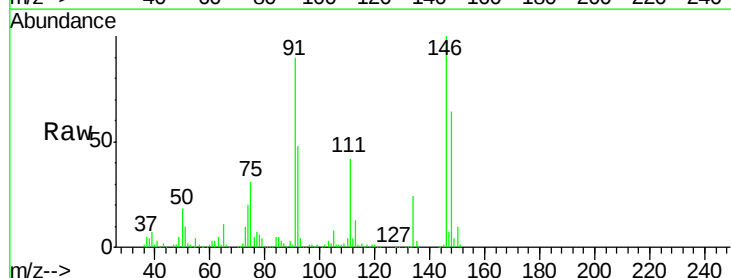
Tgt Ion:146 Resp: 276826

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

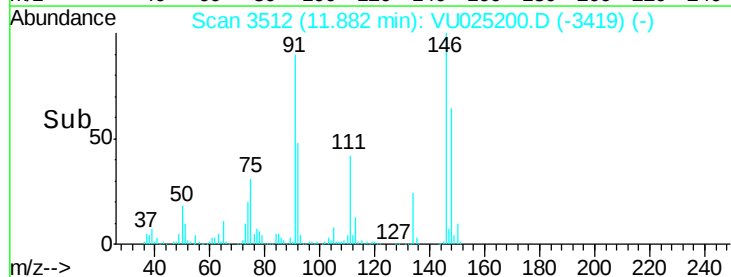
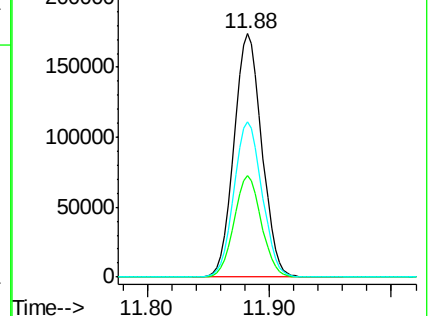
148 64.5 31.9 95.7



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: 53.200 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

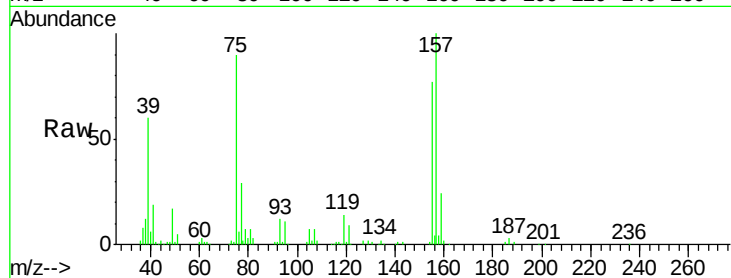
MSVOA_U

ClientSampleId :

WP021MW011-180627MS

Tot Ion: 75 Resp: 53075

Ion	Ratio	Lower	Upper
75	100		
155	85.0	40.4	121.2
157	109.3	52.3	156.8



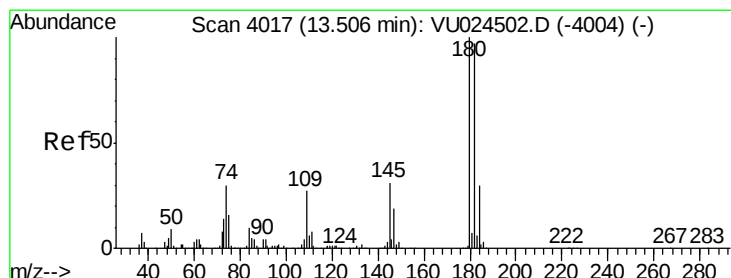
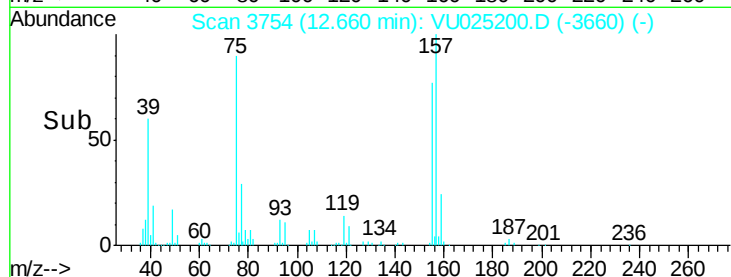
Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 54.553 ug/l

RT: 13.51 min Scan# 4017

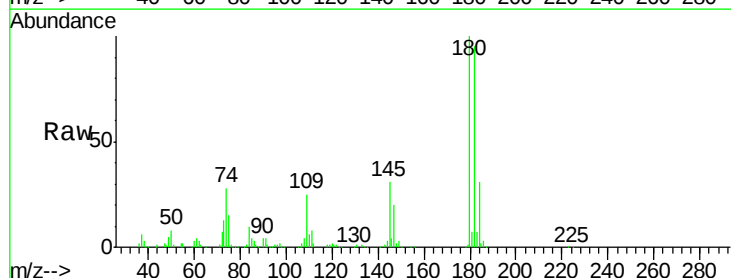
Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Tgt Ion: 180 Resp: 170281

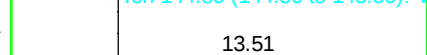
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	30.1	14.7	44.1



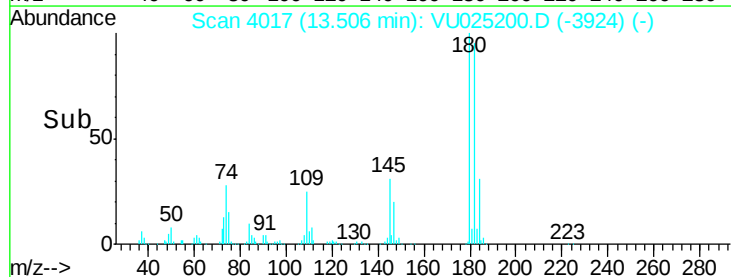
Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

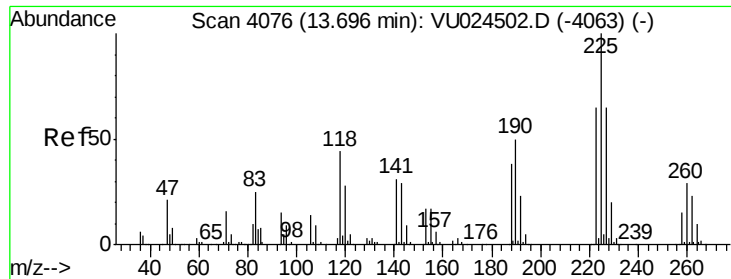
Ion 181.80 (181.50 to 182.50): VU024502.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU024502.D (-4004) (-)



Time-->





#94

Hexachlorobutadiene

Concen: 51.494 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

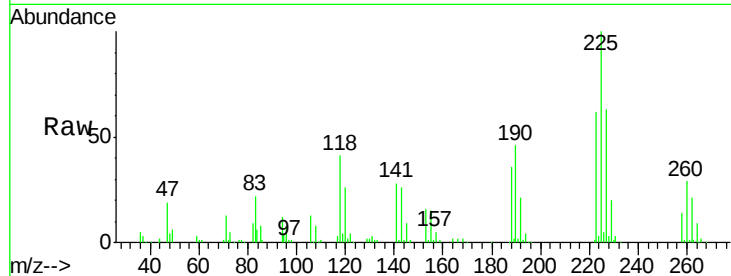
Tot Ion:225 Resp: 90469

Ion Ratio Lower Upper

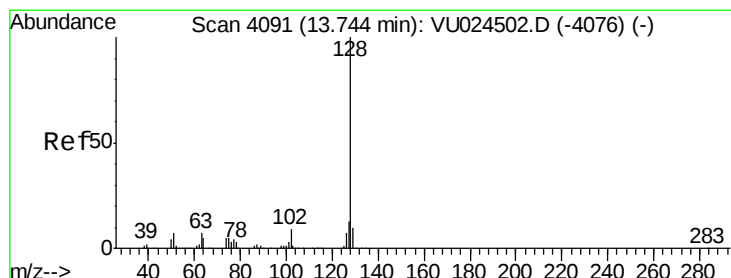
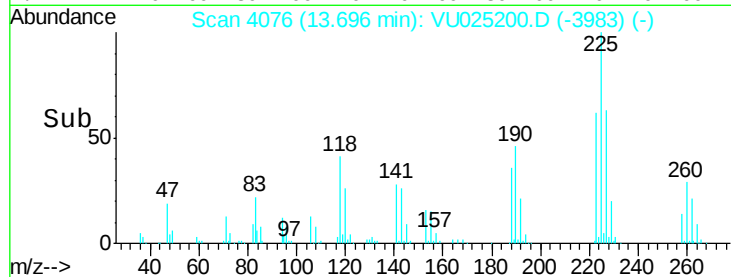
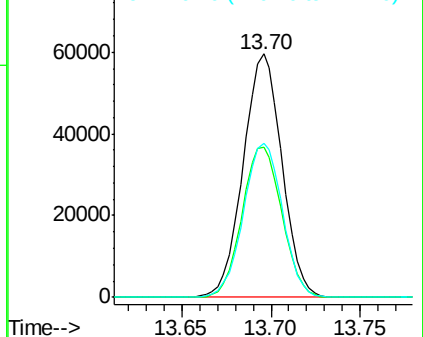
225 100

223 63.4 31.3 93.8

227 64.0 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 58.153 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

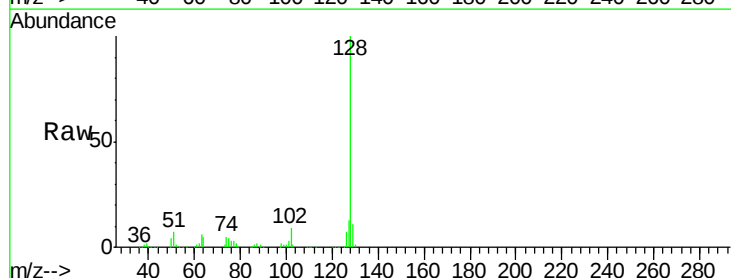
Tgt Ion:128 Resp: 602073

Ion Ratio Lower Upper

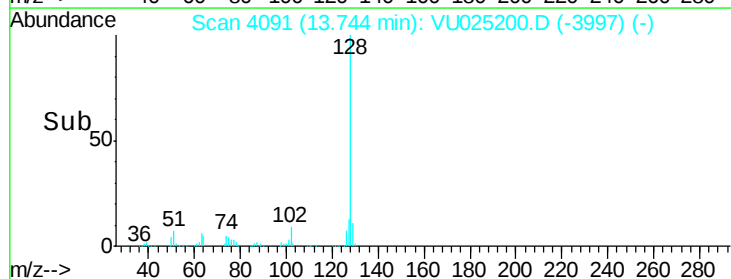
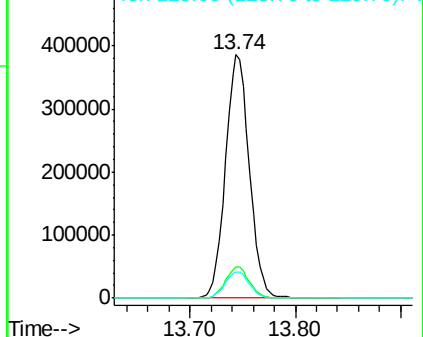
128 100

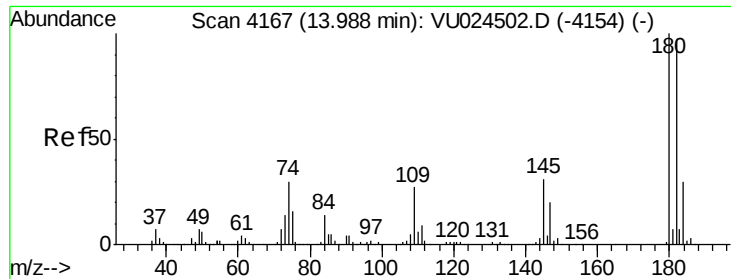
127 12.8 10.6 16.0

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 59.199 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025200.D

Acq: 03 Jul 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MS

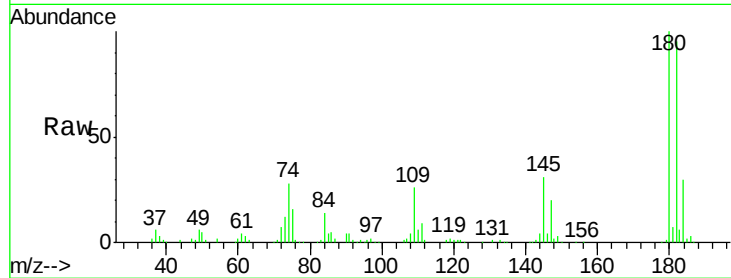
Tot Ion:180 Resp: 184124

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 30.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

