

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070318\
 Data File : VU025201.D
 Acq On : 03 Jul 2018 20:04
 Operator : MD/SY
 Sample : J3760-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Quant Time: Jul 05 04:39:08 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	164838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	254075	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	240156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125045	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	4.89	113	108070	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	7.57	98	336074	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
62) 4-Bromofluorobenzene	10.31	95	144607	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84337	40.876	ug/l	99
3) Chloromethane	1.33	50	95256	45.190	ug/l	98
4) Vinyl Chloride	1.40	62	114339	52.597	ug/l	99
5) Bromomethane	1.62	94	61001	58.048	ug/l	100
6) Chloroethane	1.69	64	66455	54.809	ug/l	100
7) Trichlorofluoromethane	1.89	101	164099	49.464	ug/l	98
8) Diethyl Ether	2.10	74	62885	55.923	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98007	47.619	ug/l	98
10) Methyl Iodide	2.41	142	114737	64.193	ug/l	97
11) Tert butyl alcohol	2.82	59	169825	259.481	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91000	48.483	ug/l	96
13) Acrolein	2.19	56	27861	81.066	ug/l	93
14) Allyl chloride	2.59	41	158704	45.540	ug/l	97
15) Acrylonitrile	2.94	53	347742	273.089	ug/l	99
16) Acetone	2.32	43	327523	226.522	ug/l	96
17) Carbon Disulfide	2.48	76	250621	41.701	ug/l	98
18) Methyl Acetate	2.62	43	204434	65.953	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	376498	53.364	ug/l	97
20) Methylene Chloride	2.70	84	112182	49.448	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	102282	49.478	ug/l	97
22) Diisopropyl ether	3.57	45	355294	51.429	ug/l	96
23) Vinyl Acetate	3.53	43	1468408	237.281	ug/l	99
24) 1,1-Dichloroethane	3.45	63	205084	51.604	ug/l	100
25) 2-Butanone	4.26	43	505874	260.472	ug/l	97
26) 2,2-Dichloropropane	4.23	77	151566	40.164	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	141266	59.440	ug/l	97
28) Bromochloromethane	4.55	49	70245	40.129	ug/l	84
29) Tetrahydrofuran	4.63	42	322955	268.524	ug/l	97
30) Chloroform	4.68	83	214917	53.428	ug/l	100
31) Cyclohexane	5.00	56	176548	50.026	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	193106	51.914	ug/l	96
36) 1,1-Dichloropropene	5.14	75	150628	50.452	ug/l	97
37) Ethyl Acetate	4.38	43	175748	54.009	ug/l	98
38) Carbon Tetrachloride	5.14	117	173039	52.706	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	179374	48.144	ug/l	96
40) Benzene	5.39	78	446874	52.528	ug/l	100
41) Methacrylonitrile	4.54	41	102832	58.611	ug/l	99
42) 1,2-Dichloroethane	5.41	62	186082	57.431	ug/l	98
43) Isopropyl Acetate	5.55	43	283729	50.443	ug/l	99
44) Trichloroethene	6.19	130	122050	50.410	ug/l	97
45) 1,2-Dichloropropane	6.44	63	120505	53.087	ug/l	95
46) Dibromomethane	6.56	93	87087	54.620	ug/l	93
47) Bromodichloromethane	6.76	83	167005	52.600	ug/l	98
48) Methyl methacrylate	6.63	41	151524	55.322	ug/l	99
49) 1,4-Dioxane	6.62	88	63609	1187.545	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	969155	274.254	ug/l	98
52) Toluene	7.64	92	289073	52.815	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	174629	48.977	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	184112	48.460	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	121119	54.440	ug/l	97
56) Ethyl methacrylate	8.02	69	190389	51.128	ug/l	99
57) 1,3-Dichloropropane	8.25	76	204549	54.501	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.14	63	291	0.204	ug/l #	50
59) 2-Hexanone	8.36	43	774447	268.439	ug/l	100
60) Dibromochloromethane	8.48	129	139310	50.213	ug/l	100
61) 1,2-Dibromoethane	8.59	107	131884	53.259	ug/l	98
64) Tetrachloroethene	8.23	164	105390	46.167	ug/l	98
65) Chlorobenzene	9.12	112	330919	53.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	126055	54.081	ug/l	97
67) Ethyl Benzene	9.26	91	570021	52.999	ug/l	98
68) m/p-Xylenes	9.38	106	445145	107.782	ug/l	97
69) o-Xylene	9.78	106	222123	54.344	ug/l	96
70) Styrene	9.80	104	354796	52.821	ug/l	99
71) Bromoform	9.96	173	107780	48.649	ug/l #	98
73) Isopropylbenzene	10.17	105	597065	54.933	ug/l	100
74) N-amyl acetate	10.01	43	249605	48.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205765	56.494	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	237738	76.276	ug/l	85
77) Bromobenzene	10.45	156	154016	55.973	ug/l	93
78) n-propylbenzene	10.59	91	664951	51.935	ug/l	97
79) 2-Chlorotoluene	10.66	91	404788	53.611	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	509713	54.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	237738	176.534	ug/l #	100
82) 4-Chlorotoluene	10.78	91	467506	53.198	ug/l	99
83) tert-Butylbenzene	11.10	119	511590	56.455	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	516875	53.838	ug/l	100
85) sec-Butylbenzene	11.33	105	601039	52.987	ug/l	98
86) p-Isopropyltoluene	11.48	119	532552	52.421	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	274271	53.951	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	275453	53.834	ug/l	99
89) n-Butylbenzene	11.89	91	427708	47.421	ug/l	97
90) Hexachloroethane	12.15	117	96872	48.881	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	285684	56.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	54316	54.046	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	175914	55.946	ug/l	100
94) Hexachlorobutadiene	13.70	225	91695	51.810	ug/l	99
95) Naphthalene	13.75	128	618782	59.316	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	191237	61.036	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

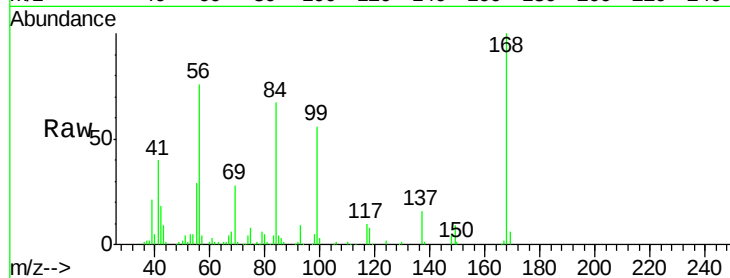
WP021MW011-180627MSD

Tot Ion:168 Resp: 164838

Ion Ratio Lower Upper

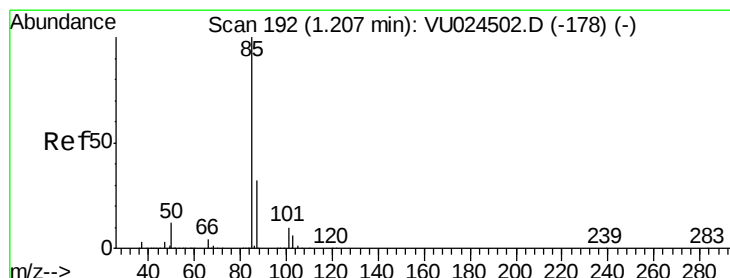
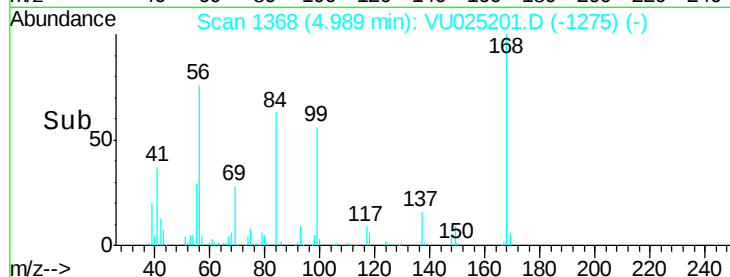
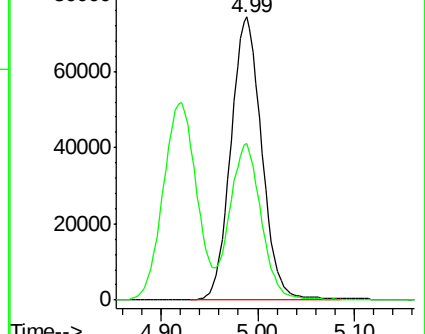
168 100

99 55.1 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: 40.876 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025201.D

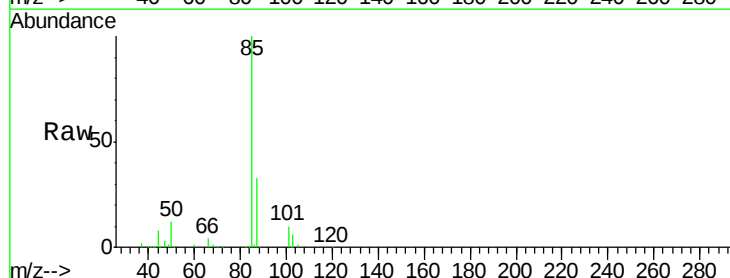
Acq: 03 Jul 2018 20:04

Tgt Ion: 85 Resp: 84337

Ion Ratio Lower Upper

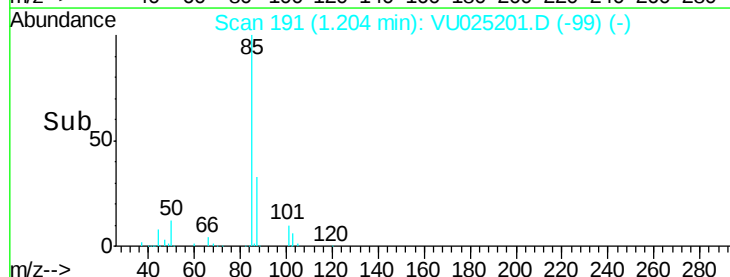
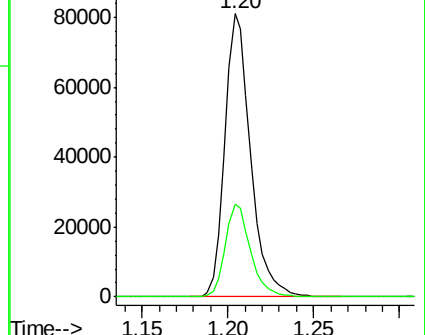
85 100

87 32.9 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: 45.190 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

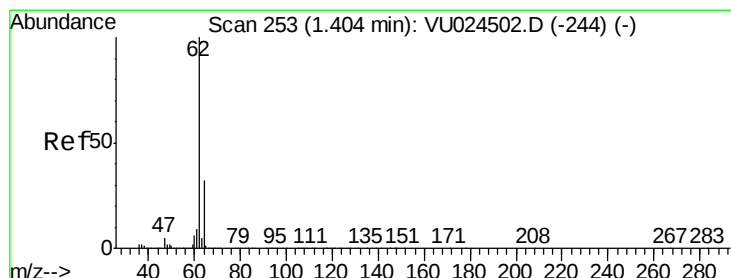
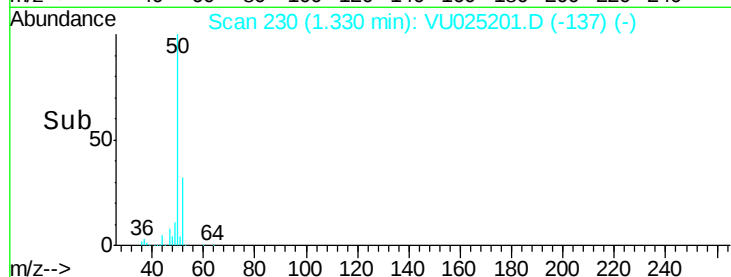
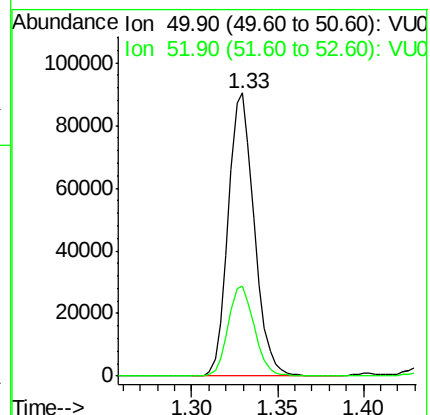
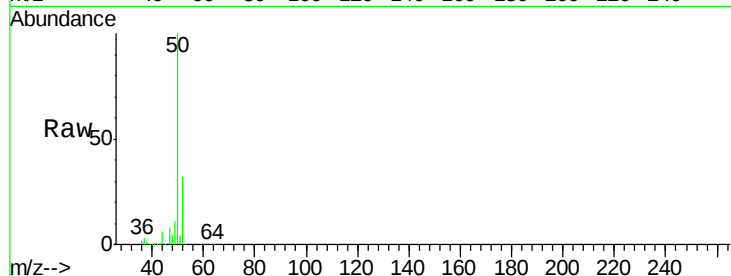
WP021MW011-180627MSD

Tot Ion: 50 Resp: 95256

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 52.597 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025201.D

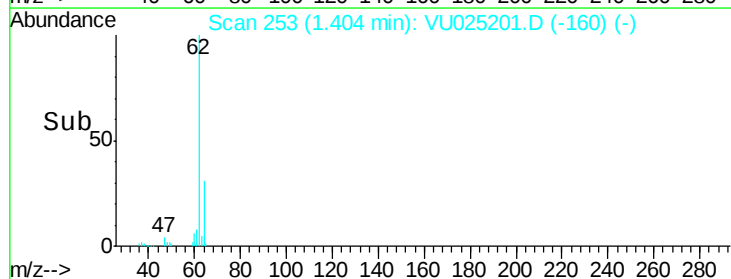
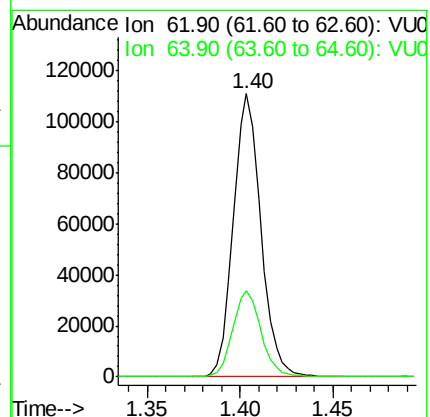
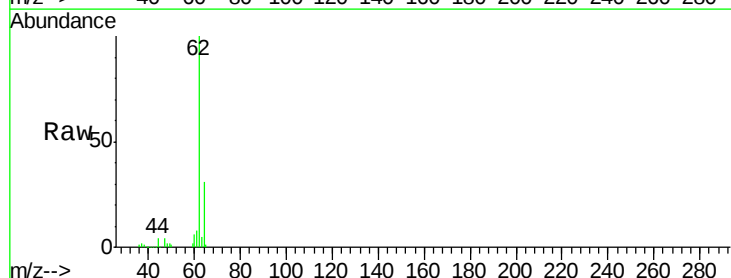
Acq: 03 Jul 2018 20:04

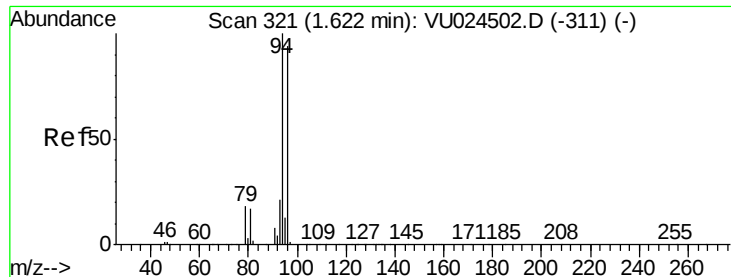
Tgt Ion: 62 Resp: 114339

Ion Ratio Lower Upper

62 100

64 30.6 24.8 37.2





#5

Bromomethane

Concen: 58.048 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

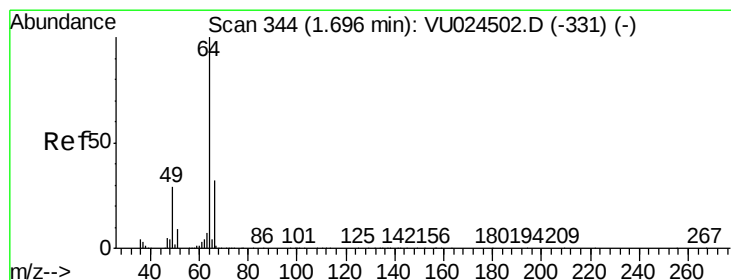
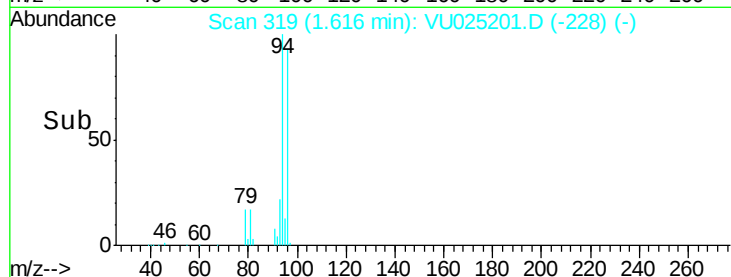
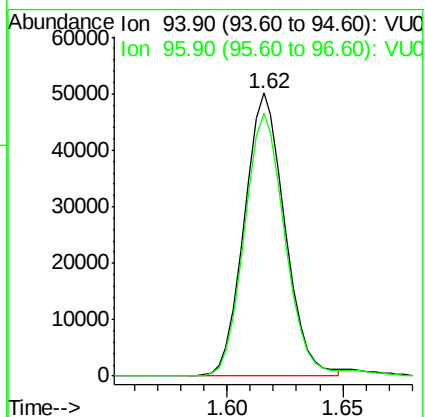
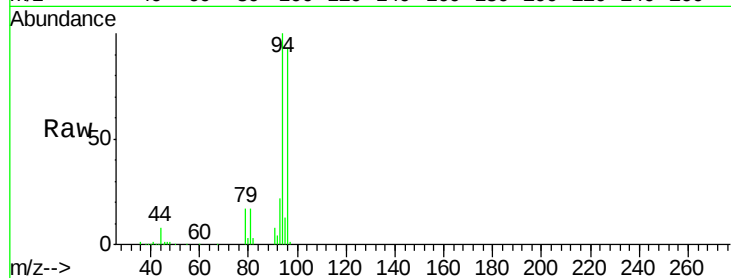
WP021MW011-180627MSD

Tot Ion: 94 Resp: 61001

Ion Ratio Lower Upper

94 100

96 92.8 74.5 111.7



#6

Chloroethane

Concen: 54.809 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025201.D

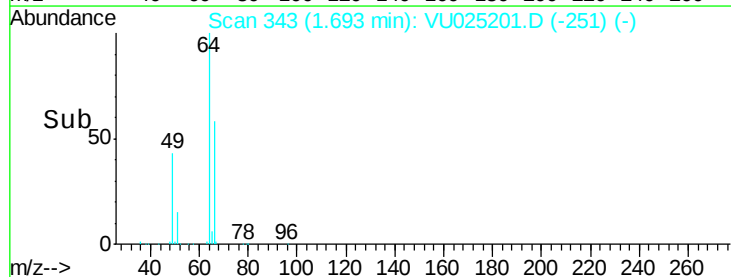
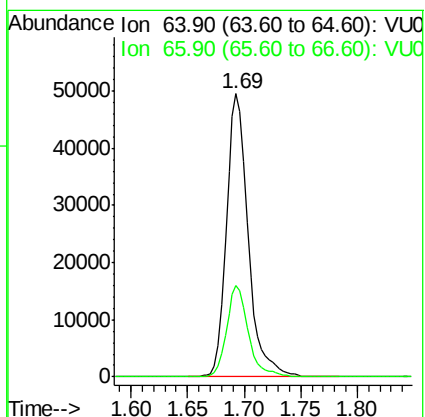
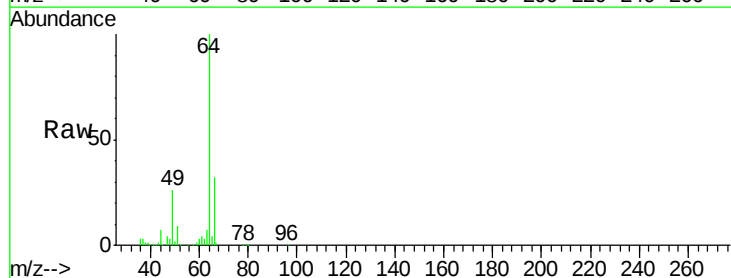
Acq: 03 Jul 2018 20:04

Tgt Ion: 64 Resp: 66455

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



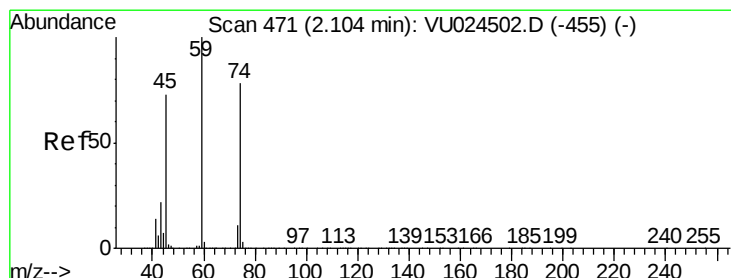
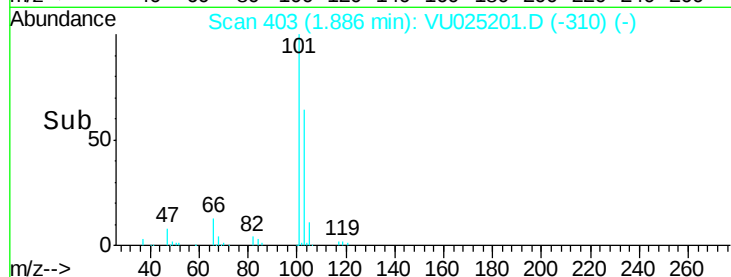
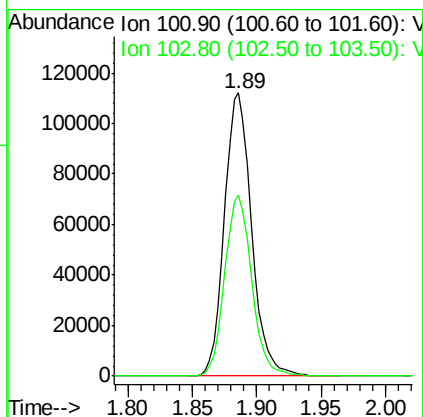
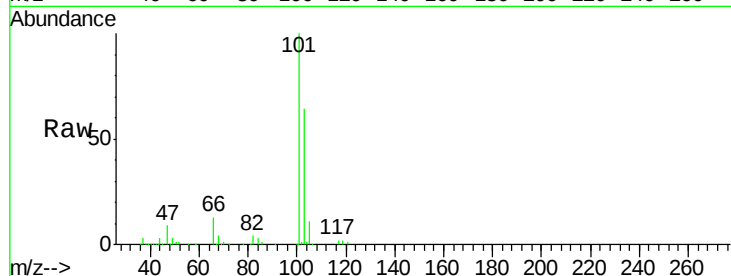


#7

Trichlorofluoromethane
Concen: 49.464 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
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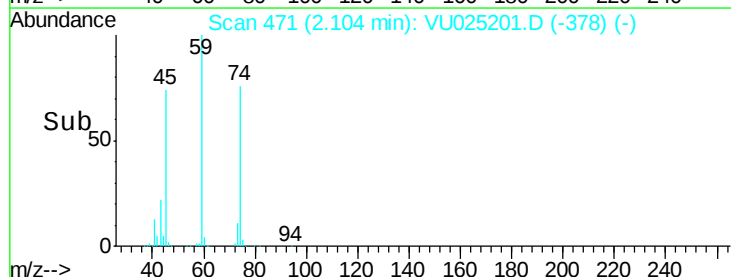
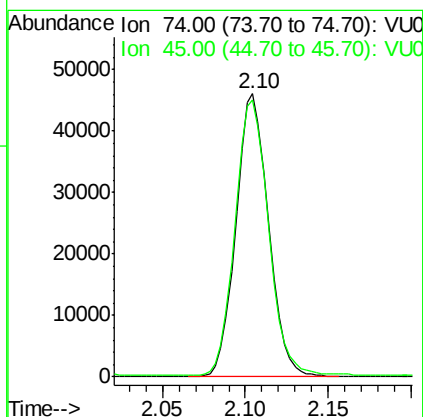
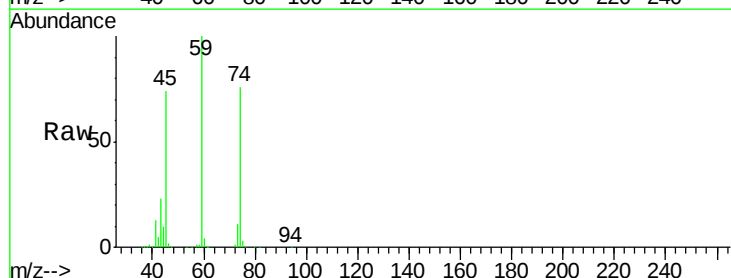
Tot Ion:101 Resp: 164099
Ion Ratio Lower Upper
101 100
103 63.8 52.3 78.5



#8

Diethyl Ether
Concen: 55.923 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 74 Resp: 62885
Ion Ratio Lower Upper
74 100
45 100.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.619 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

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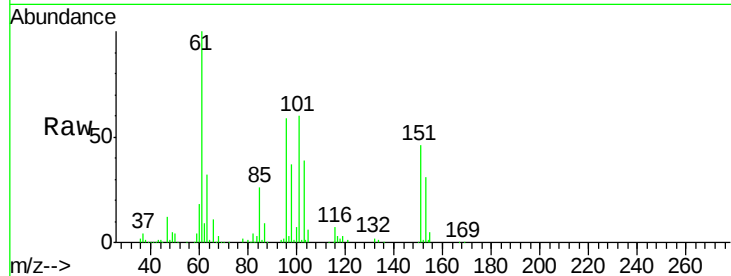
Tot Ion:101 Resp: 98007

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

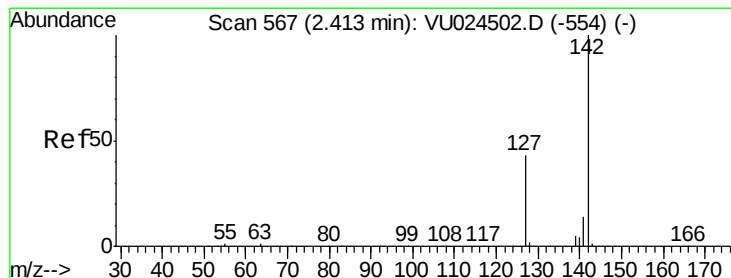
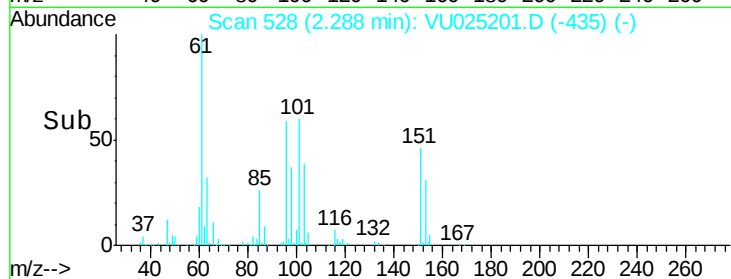
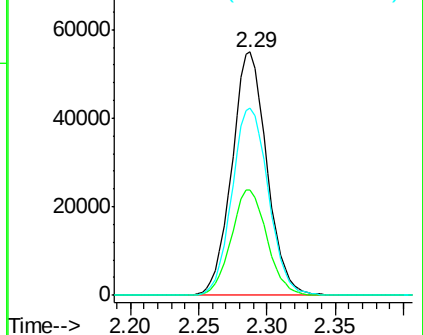
151 80.0 62.3 93.5



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: 64.193 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

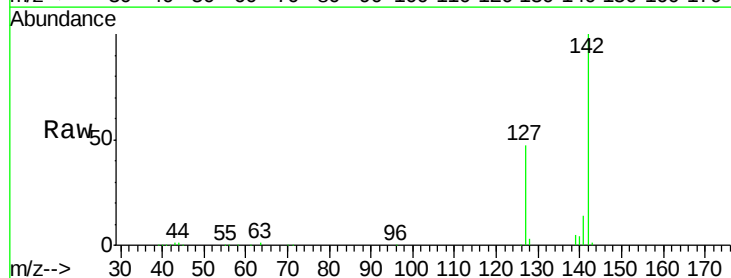
Tgt Ion:142 Resp: 114737

Ion Ratio Lower Upper

142 100

127 47.0 35.6 53.4

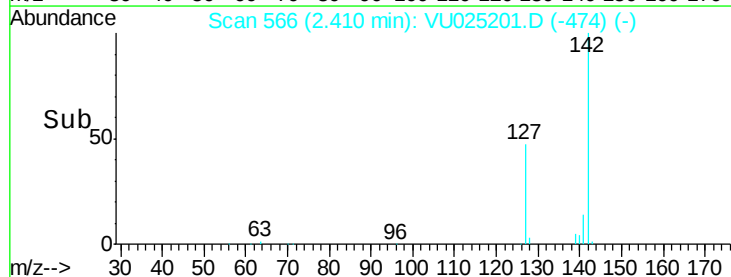
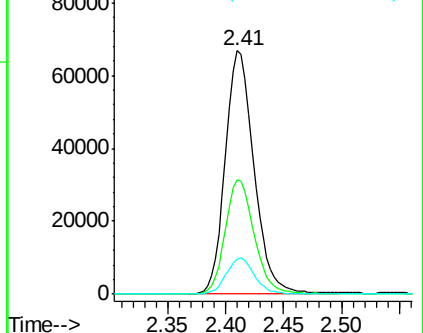
141 14.4 11.7 17.5



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



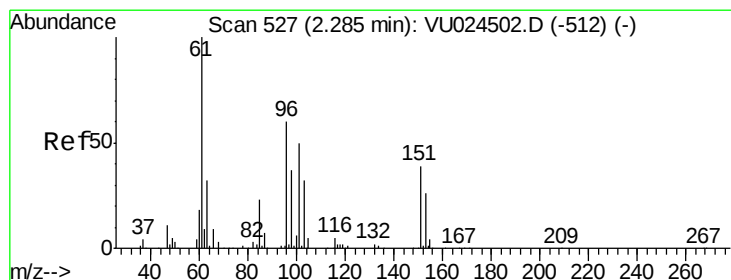
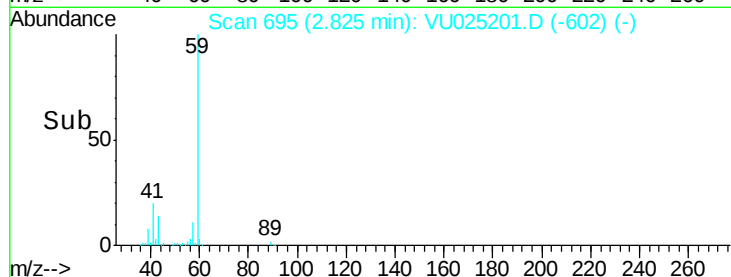
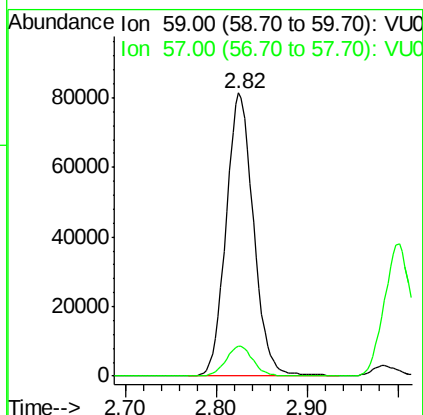
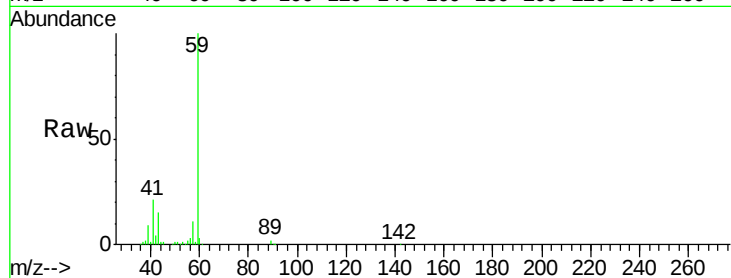


#11

Tert butyl alcohol
 Concen: 259.481 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

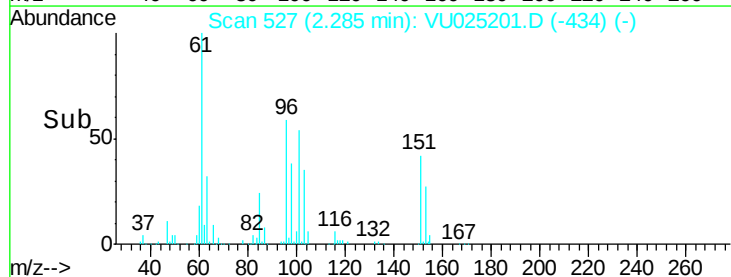
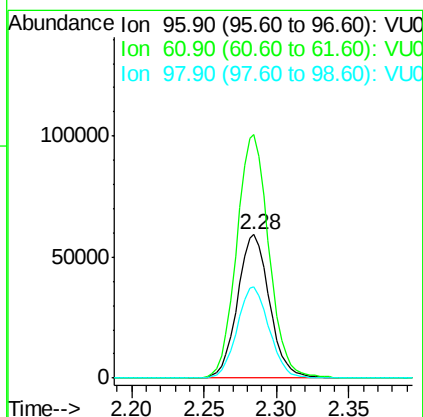
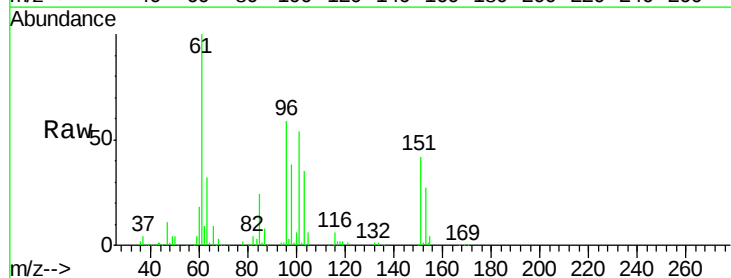
Tot Ion: 59 Resp: 169825
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

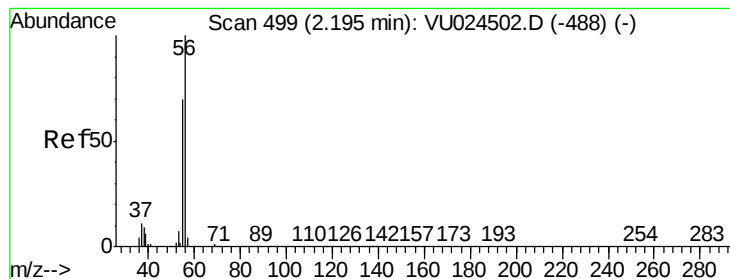


#12

1,1-Dichloroethene
 Concen: 48.483 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 96 Resp: 91000
 Ion Ratio Lower Upper
 96 100
 61 170.1 141.7 212.5
 98 64.2 51.6 77.4





#13

Acrolein

Concen: 81.066 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

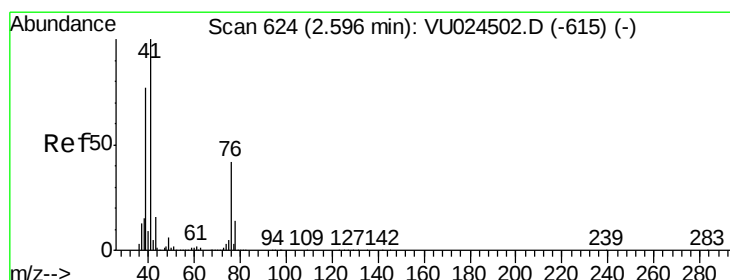
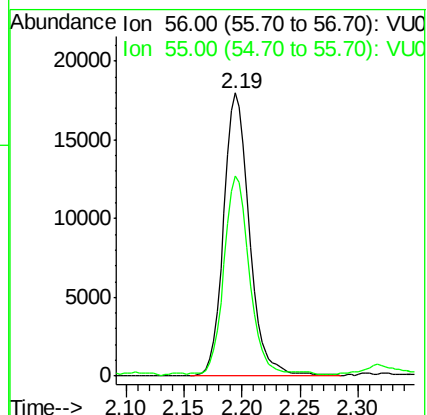
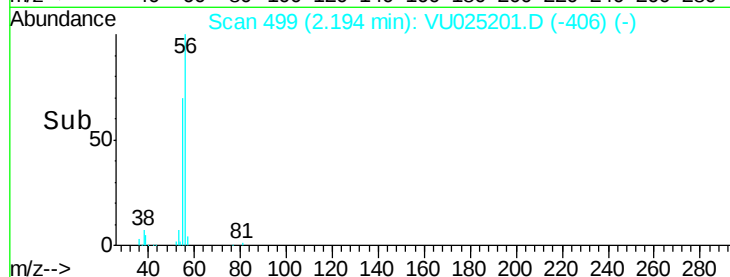
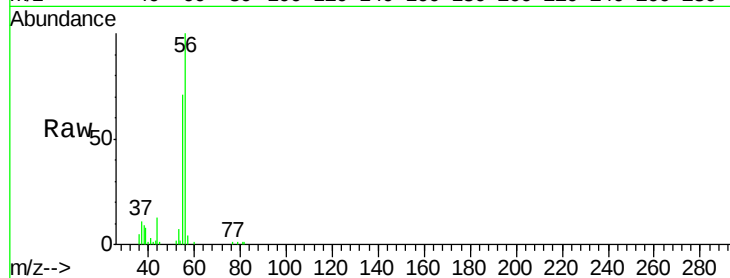
WP021MW011-180627MSD

Tot Ion: 56 Resp: 27861

Ion Ratio Lower Upper

56 100

55 67.0 58.4 87.6



#14

Allyl chloride

Concen: 45.540 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

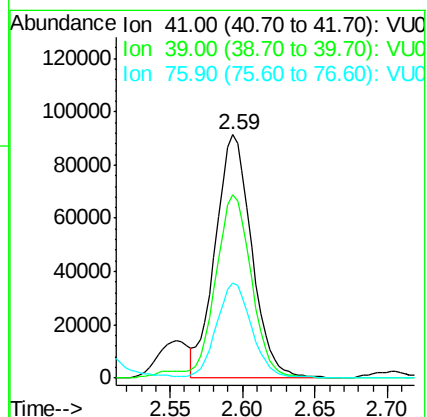
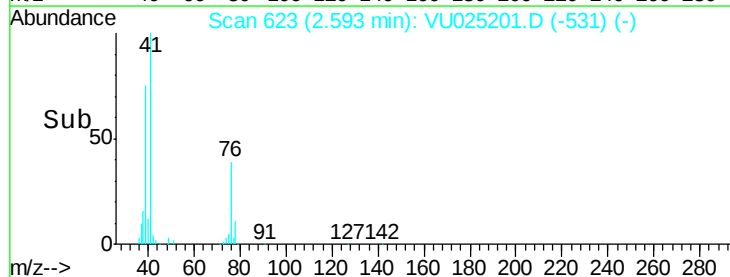
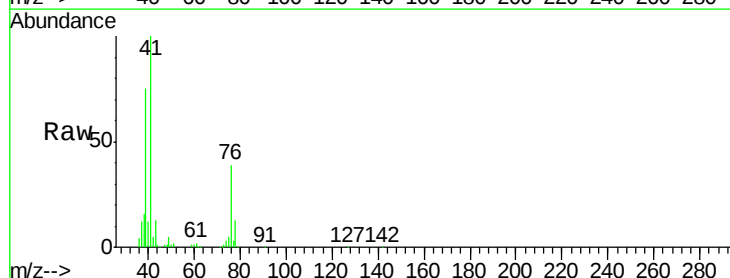
Tgt Ion: 41 Resp: 158704

Ion Ratio Lower Upper

41 100

39 73.9 61.6 92.4

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 273.089 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

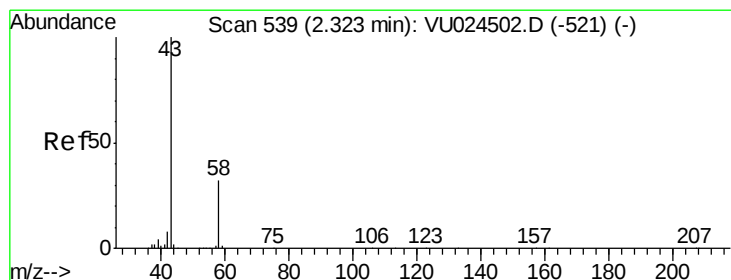
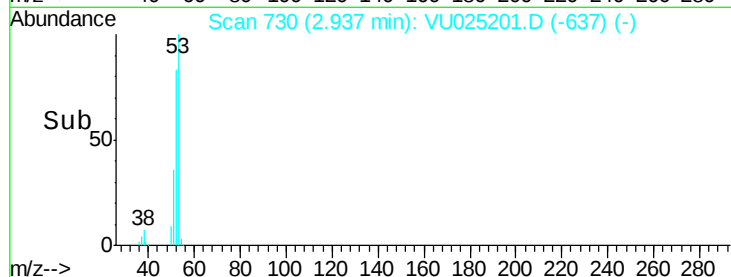
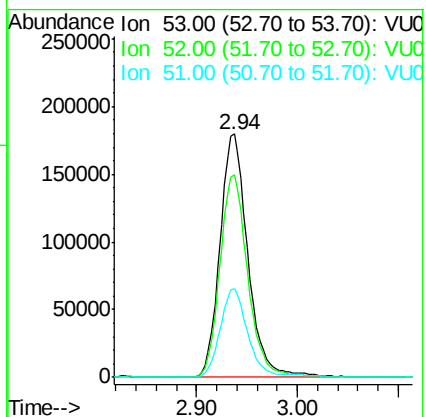
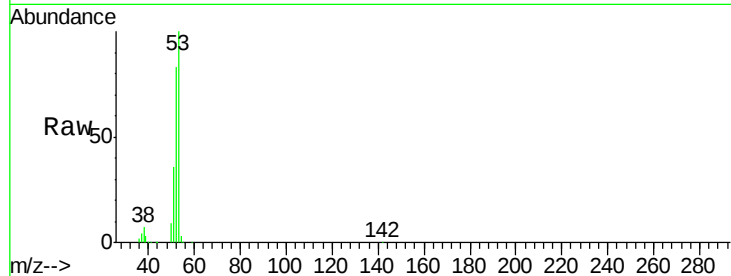
Tot Ion: 53 Resp: 347742

Ion Ratio Lower Upper

53 100

52 83.1 67.1 100.7

51 35.3 28.4 42.6



#16

Acetone

Concen: 226.522 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025201.D

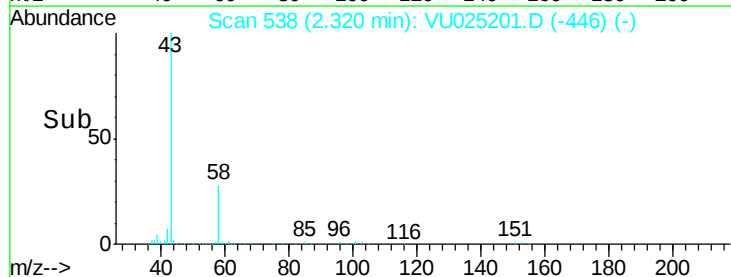
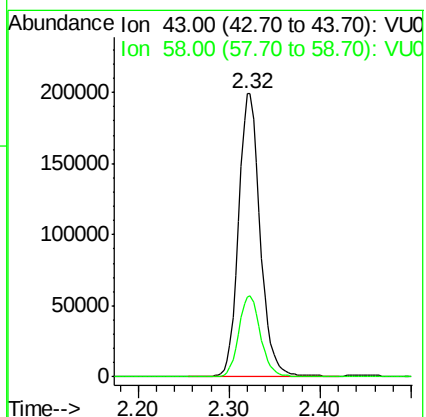
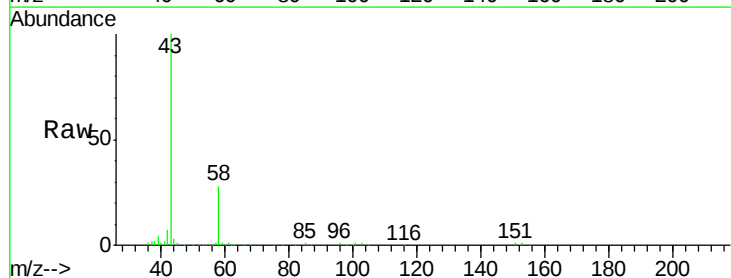
Acq: 03 Jul 2018 20:04

Tgt Ion: 43 Resp: 327523

Ion Ratio Lower Upper

43 100

58 28.4 24.4 36.6





#17

Carbon Disulfide

Concen: 41.701 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

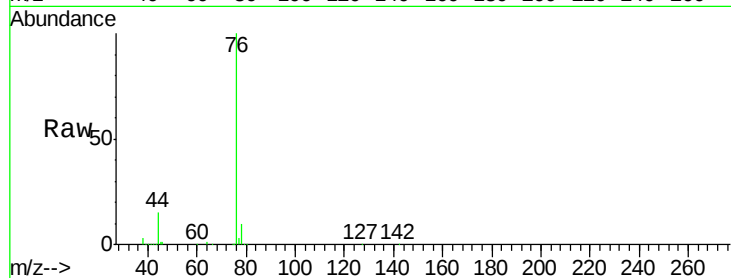
WP021MW011-180627MSD

Tot Ion: 76 Resp: 250621

Ion Ratio Lower Upper

76 100

78 9.7 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

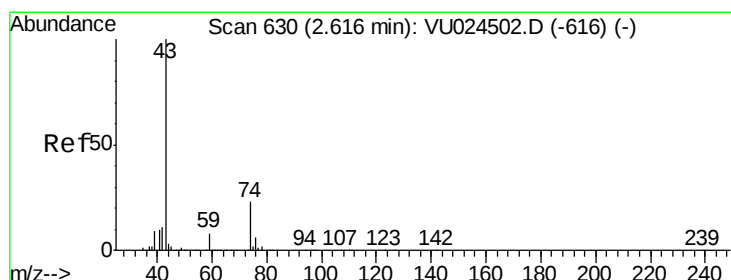
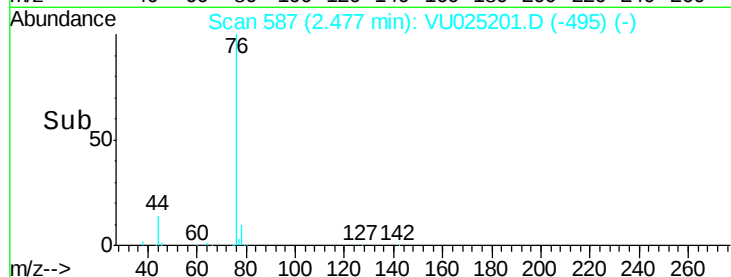
100000

50000

0

2.40 2.45 2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 65.953 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025201.D

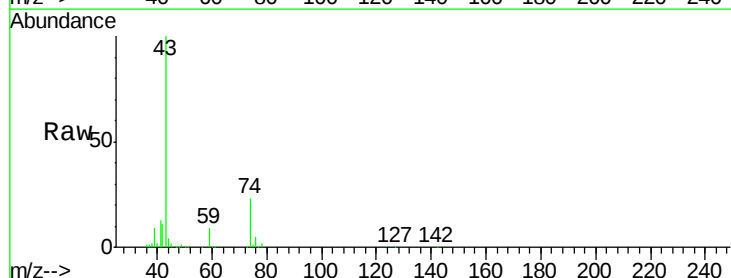
Acq: 03 Jul 2018 20:04

Tgt Ion: 43 Resp: 204434

Ion Ratio Lower Upper

43 100

74 23.0 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

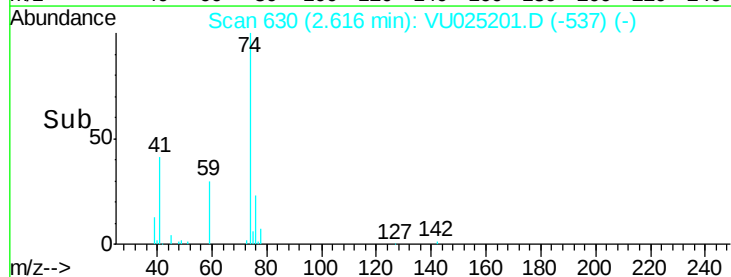
100000

50000

0

2.55 2.60 2.65 2.70 2.75

Time-->



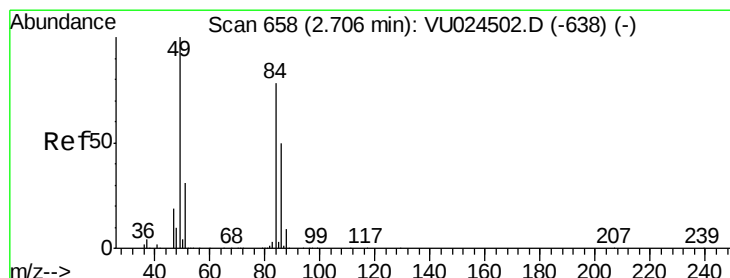
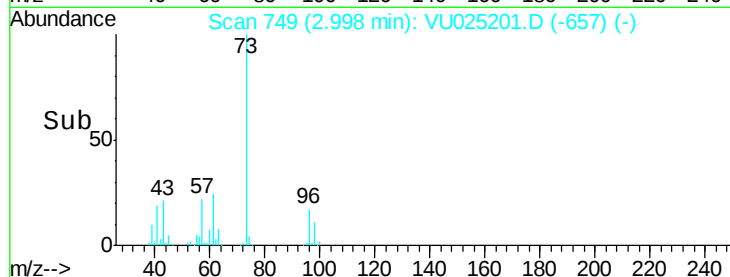
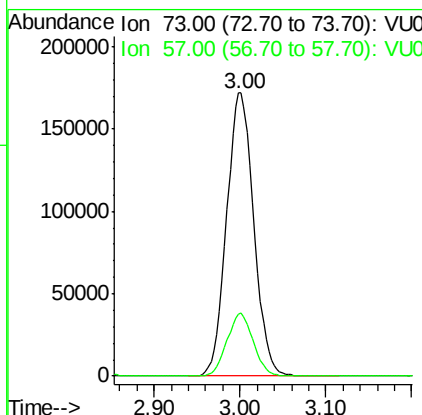
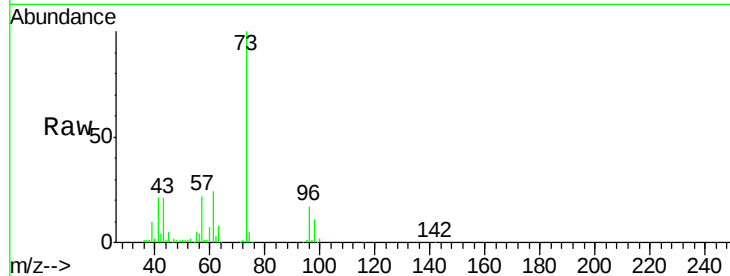


#19

Methyl tert-butyl Ether
 Concen: 53.364 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

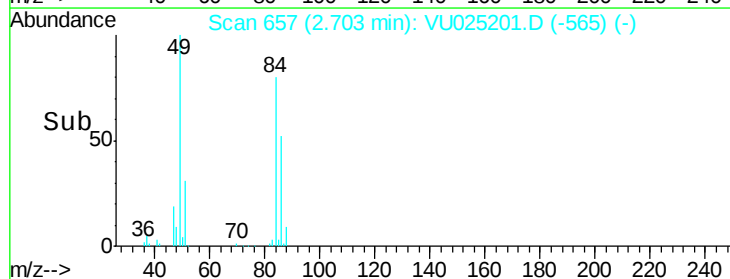
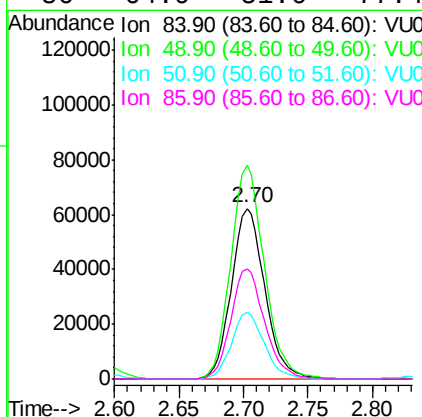
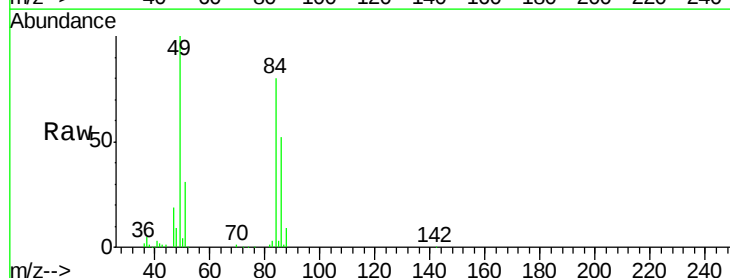
Tot Ion: 73 Resp: 376498
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.8 28.2



#20

Methylene Chloride
 Concen: 49.448 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 84 Resp: 112182
 Ion Ratio Lower Upper
 84 100
 49 125.4 103.8 155.8
 51 39.1 32.0 48.0
 86 64.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.478 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

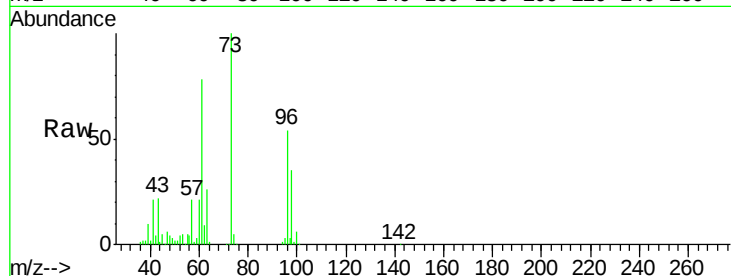
Tot Ion: 96 Resp: 102282

Ion Ratio Lower Upper

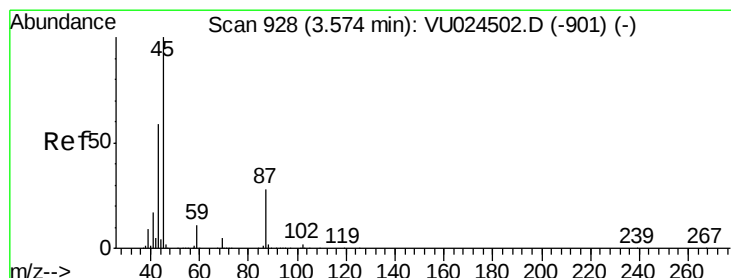
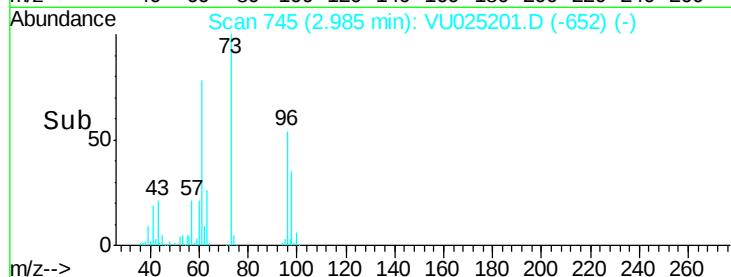
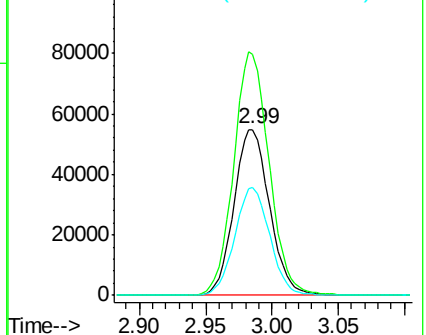
96 100

61 145.5 119.4 179.0

98 65.4 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: 51.429 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion: 45 Resp: 355294

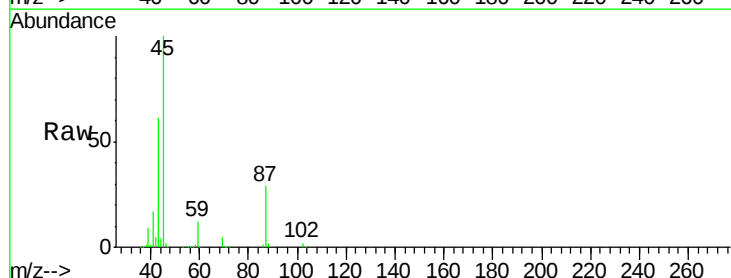
Ion Ratio Lower Upper

45 100

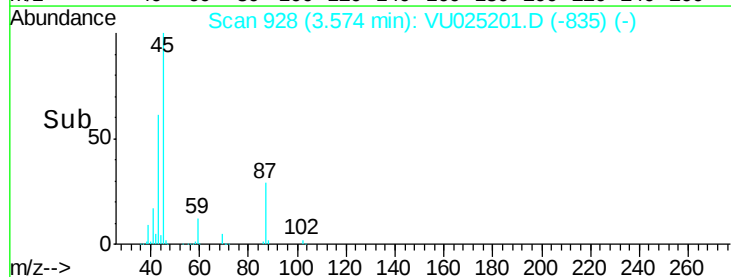
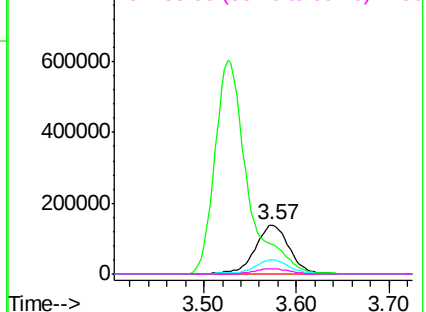
43 59.8 45.8 68.6

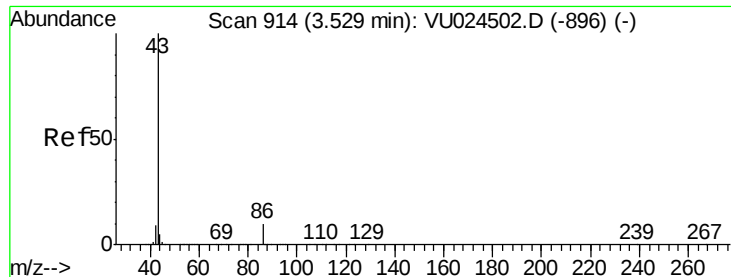
87 28.7 20.6 31.0

59 11.6 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: 237.281 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

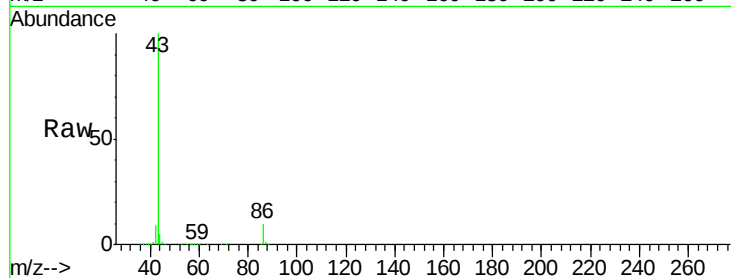
WP021MW011-180627MSD

Tot Ion: 43 Resp: 1468408

Ion Ratio Lower Upper

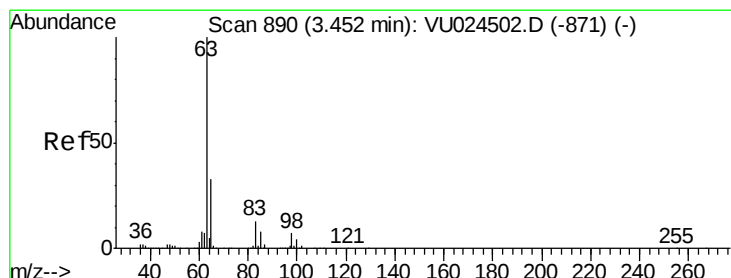
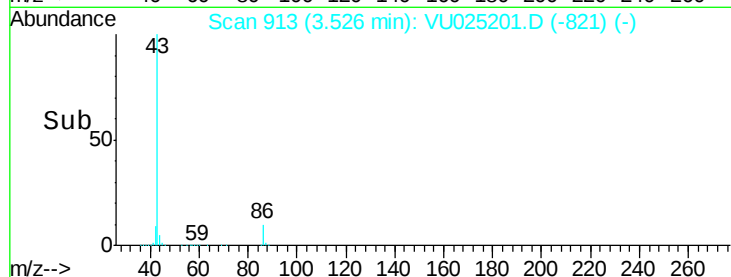
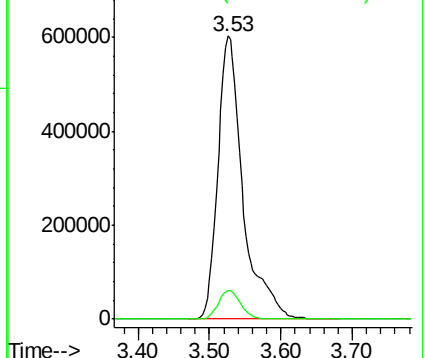
43 100

86 10.2 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: 51.604 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

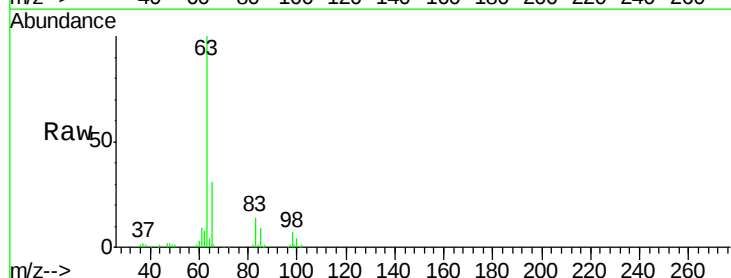
Tgt Ion: 63 Resp: 205084

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

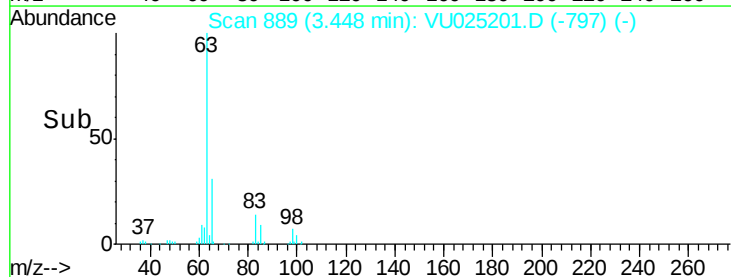
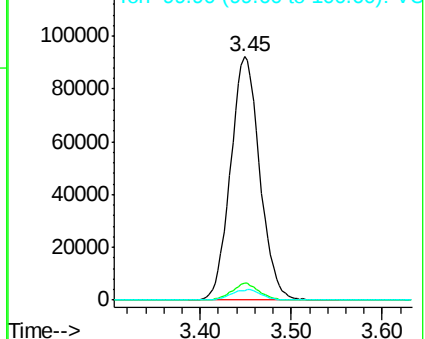
100 4.0 1.8 5.5



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

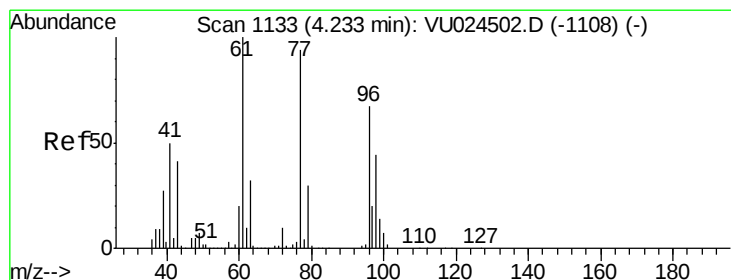
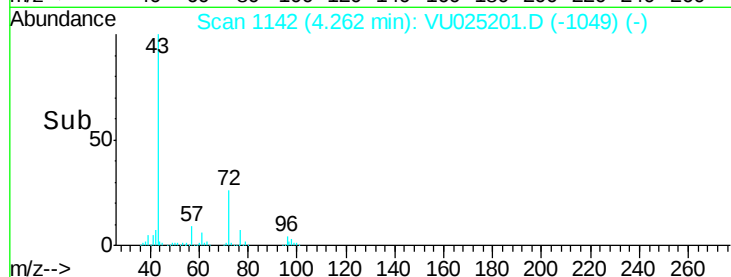
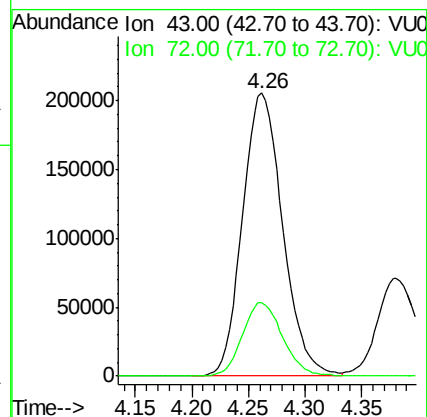
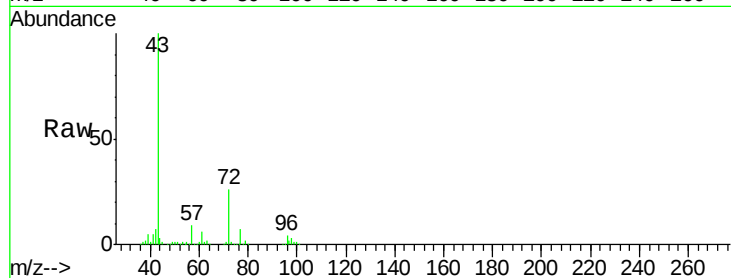




#25
2-Butanone
Concen: 260.472 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

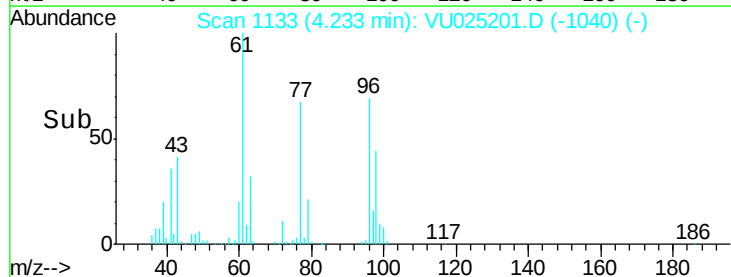
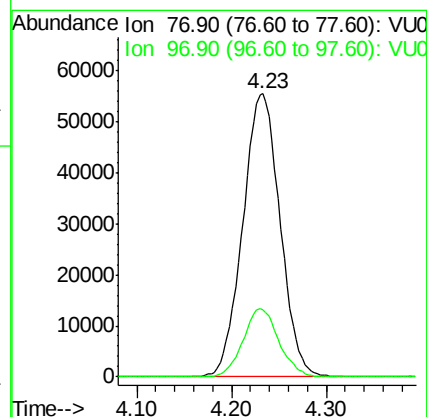
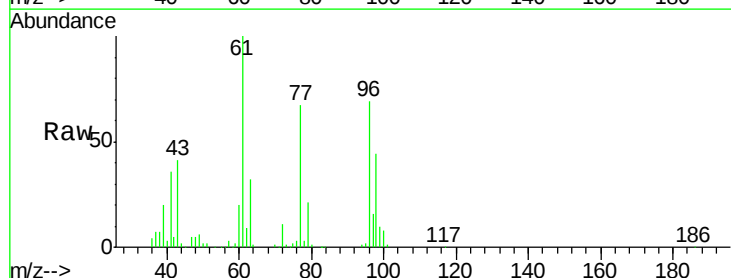
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 43 Resp: 505874
Ion Ratio Lower Upper
43 100
72 25.8 19.6 29.4



#26
2,2-Dichloropropane
Concen: 40.164 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 77 Resp: 151566
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 59.440 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

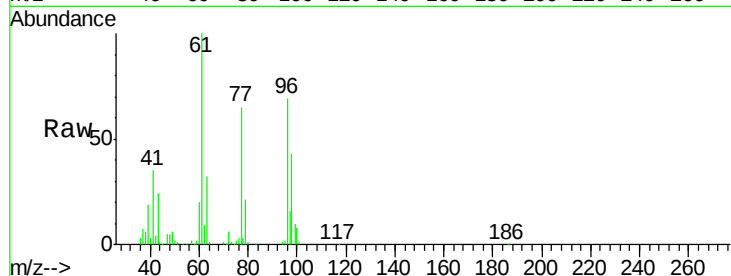
Tot Ion: 96 Resp: 141266

Ion Ratio Lower Upper

96 100

61 147.3 0.0 306.6

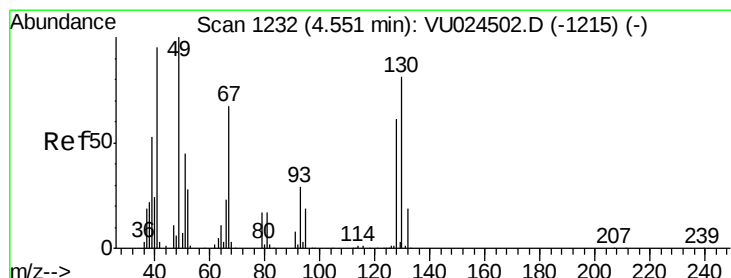
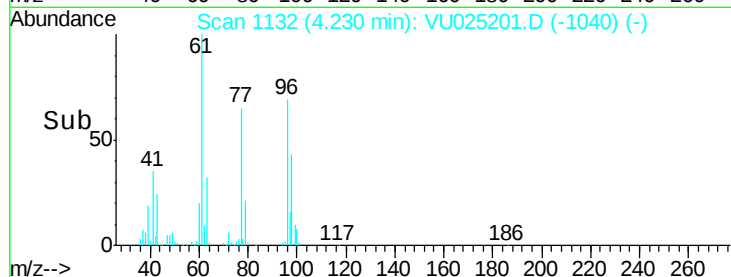
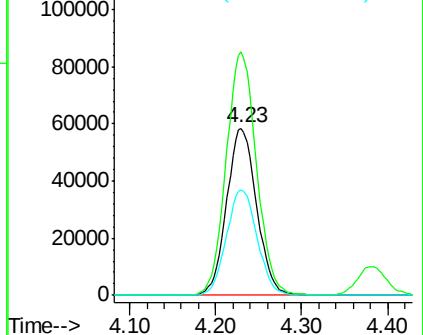
98 64.8 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 40.129 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

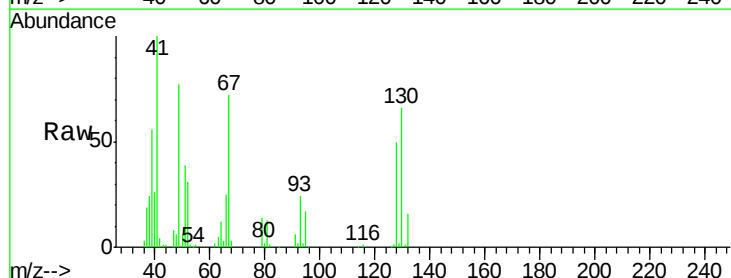
Tgt Ion: 49 Resp: 70245

Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.8

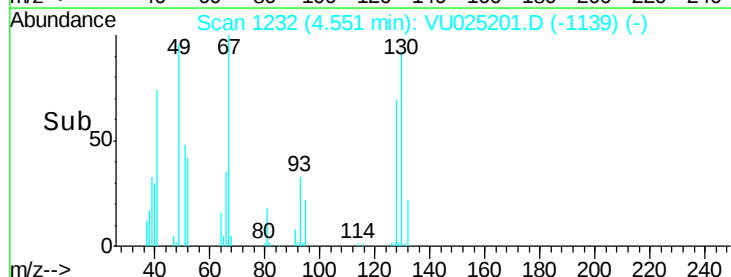
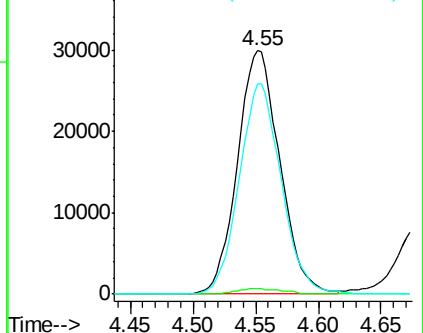
130 85.6 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 268.524 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

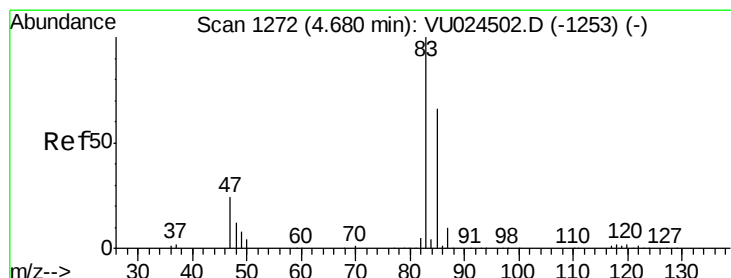
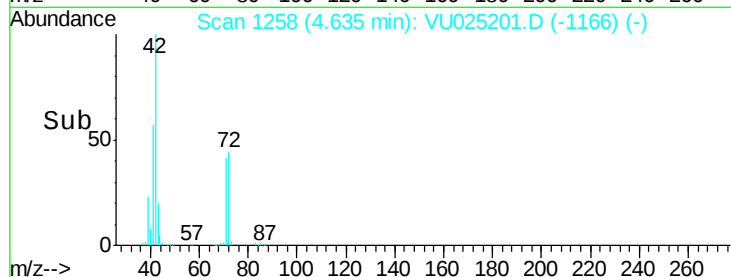
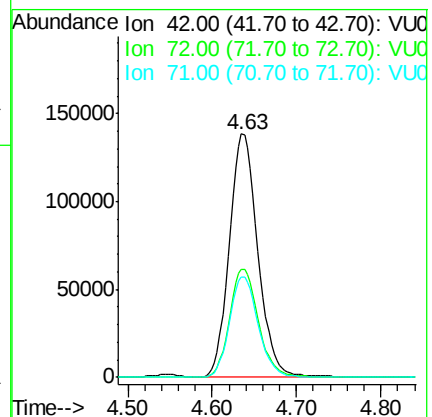
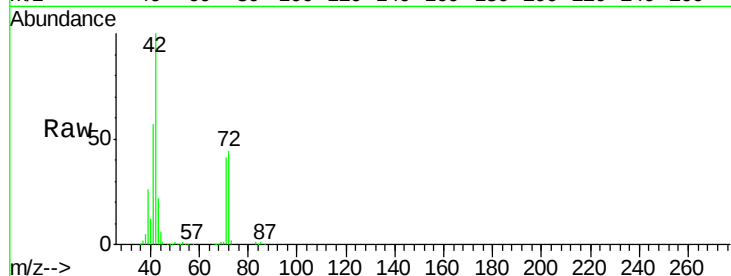
Tot Ion: 42 Resp: 322955

Ion Ratio Lower Upper

42 100

72 45.6 34.5 51.7

71 41.9 32.2 48.4



#30

Chloroform

Concen: 53.428 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU025201.D

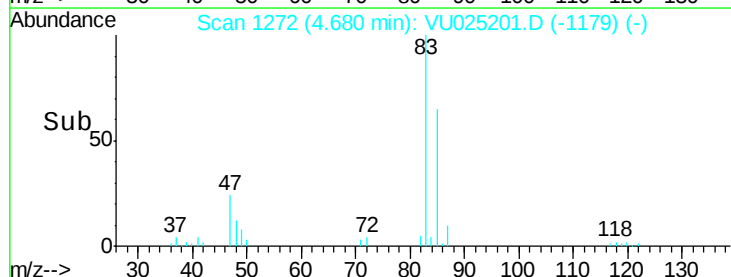
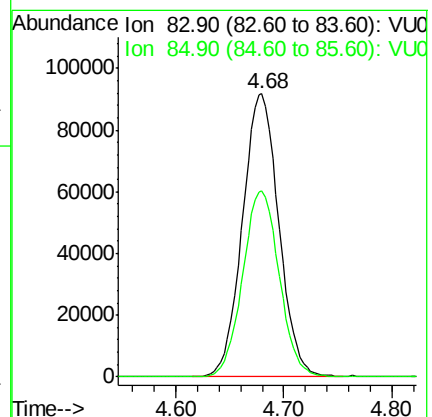
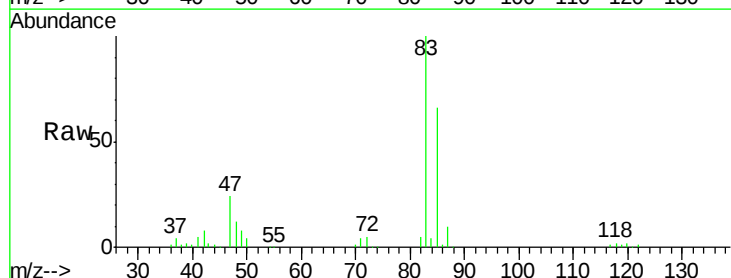
Acq: 03 Jul 2018 20:04

Tgt Ion: 83 Resp: 214917

Ion Ratio Lower Upper

83 100

85 65.8 52.4 78.6

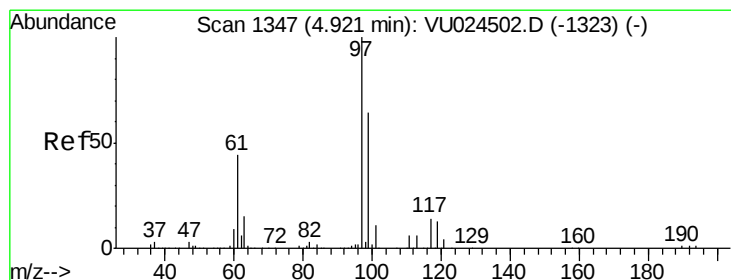
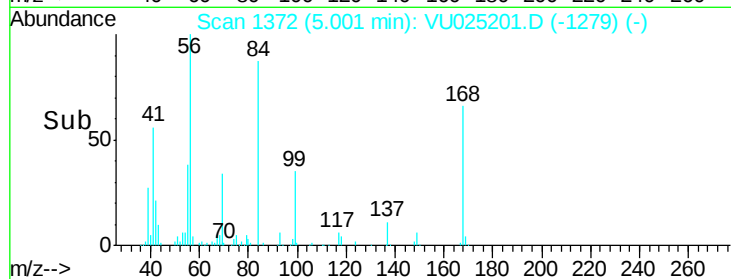
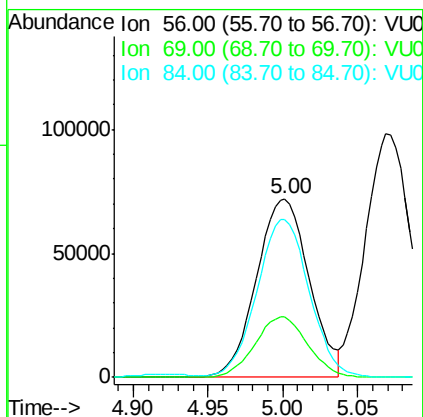
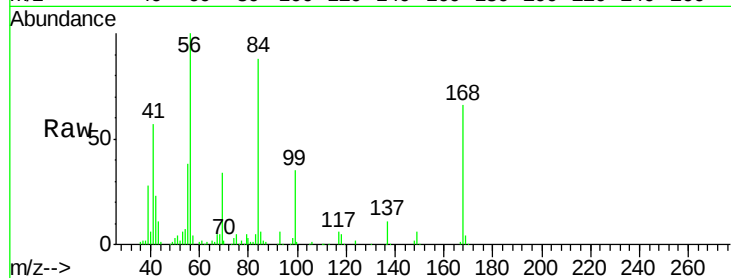




#31
Cyclohexane
Concen: 50.026 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

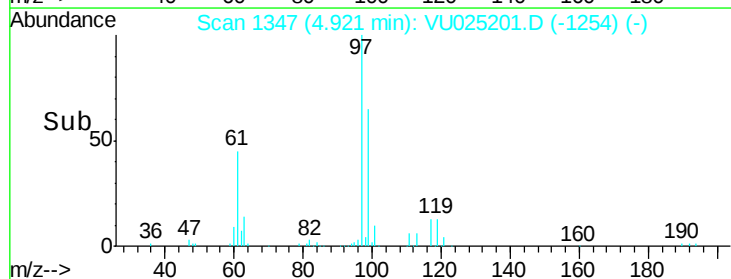
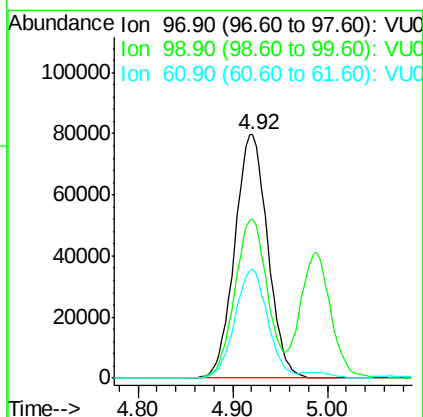
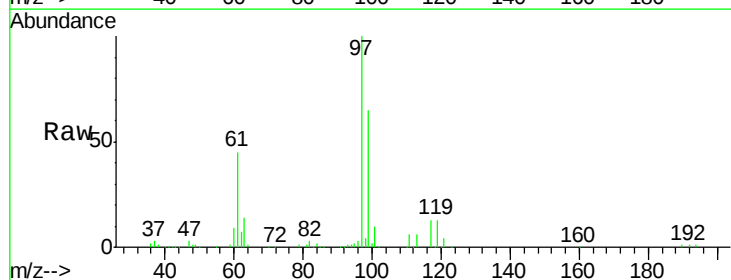
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

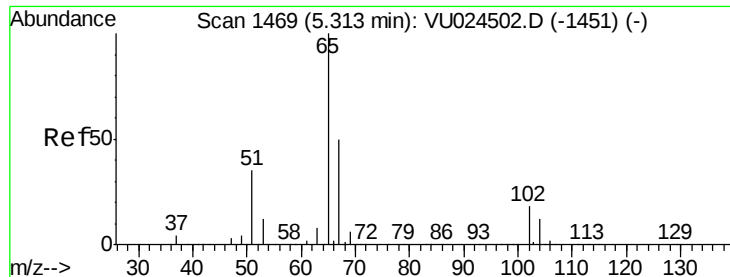
Tot Ion: 56 Resp: 176548
Ion Ratio Lower Upper
56 100
69 33.6 24.8 37.2
84 87.3 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 51.914 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 97 Resp: 193106
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.6
61 44.3 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 46.468 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

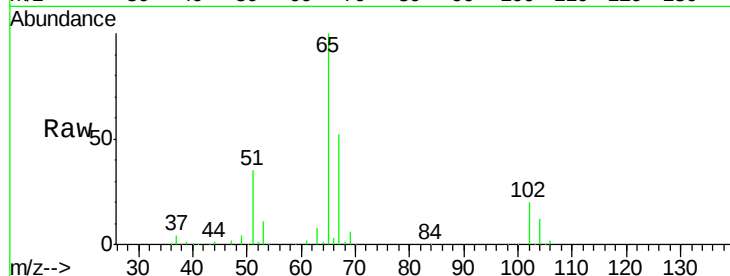
WP021MW011-180627MSD

Tot Ion: 65 Resp: 125045

Ion Ratio Lower Upper

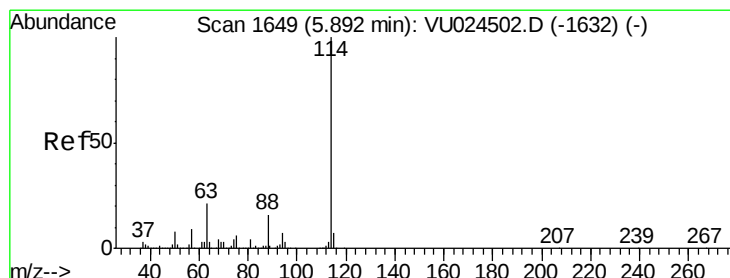
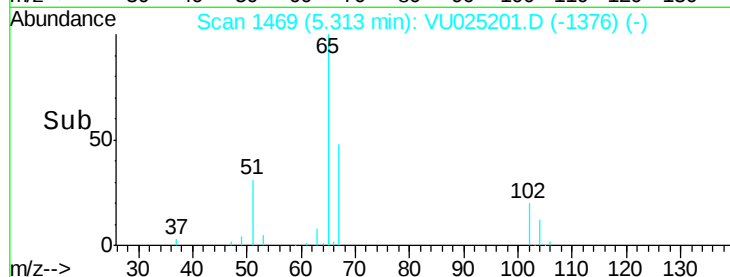
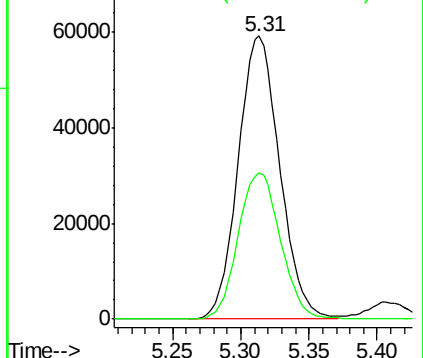
65 100

67 52.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024502.D (-1451) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

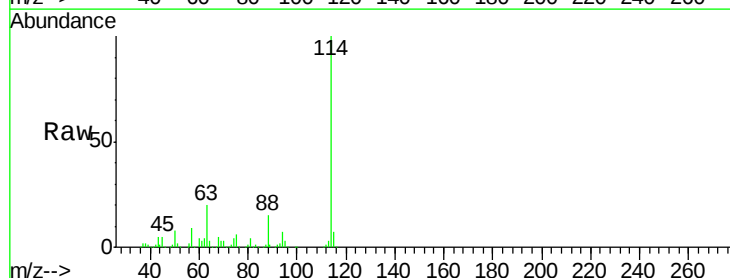
Tgt Ion: 114 Resp: 254075

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

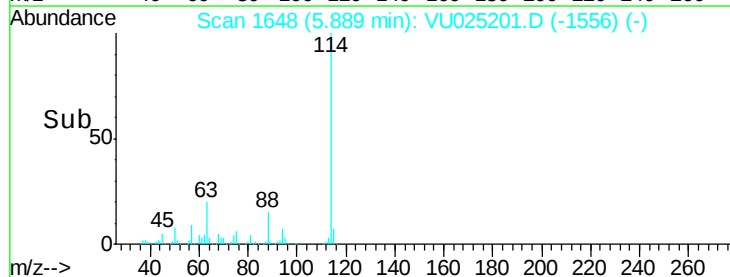
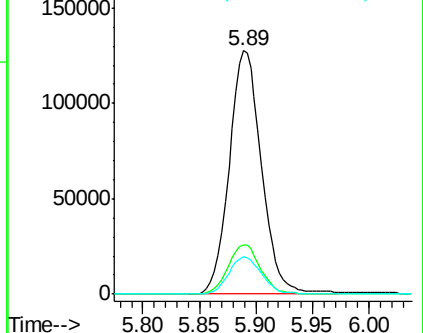
88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024502.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU024502.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU024502.D (-1632) (-)

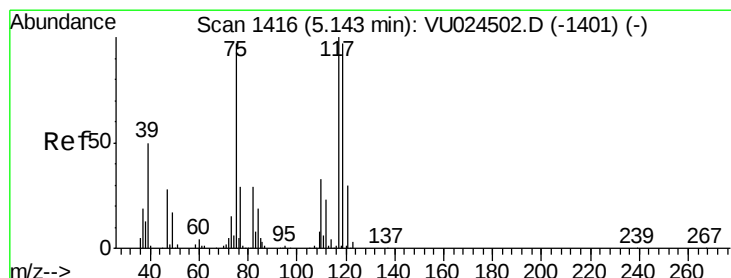
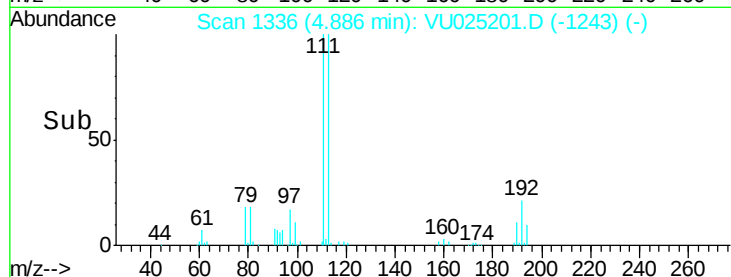
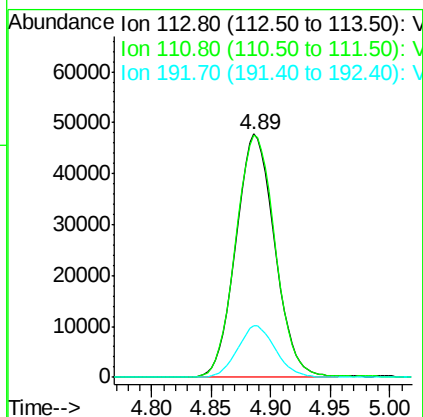
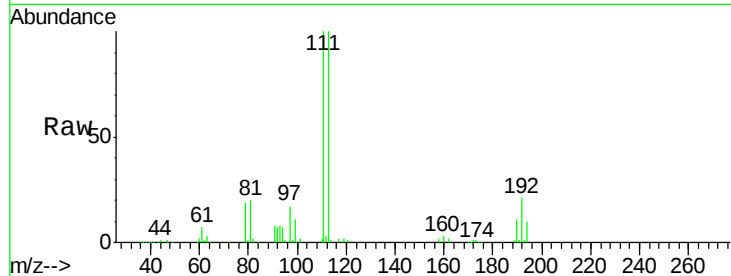




#35
Dibromofluoromethane
Concen: 51.251 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

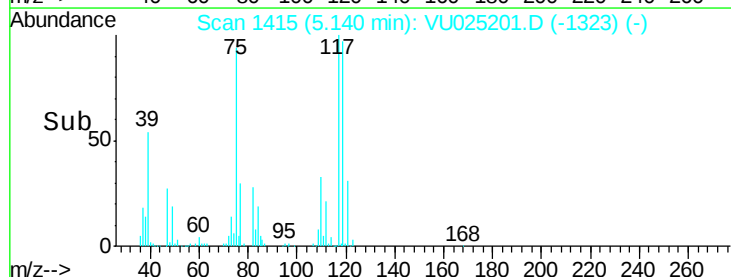
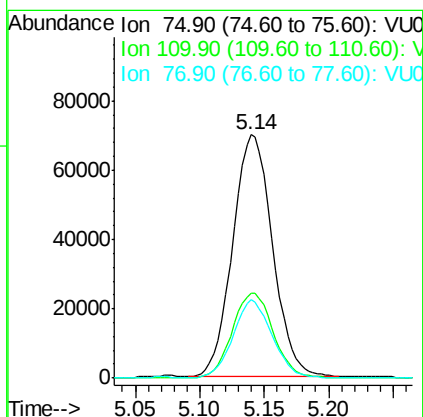
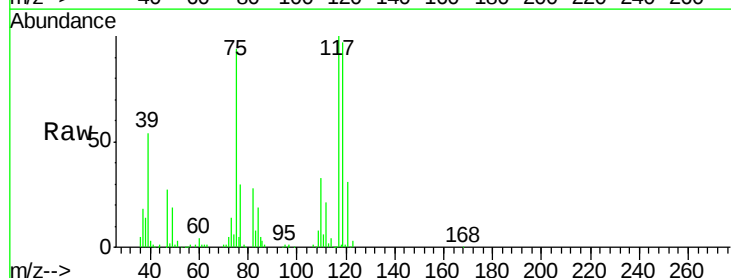
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

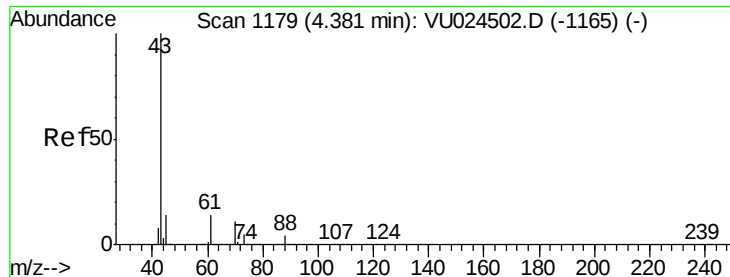
Tot Ion:113 Resp: 108070
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 20.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 50.452 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 75 Resp: 150628
Ion Ratio Lower Upper
75 100
110 36.3 17.0 50.9
77 31.0 24.2 36.4

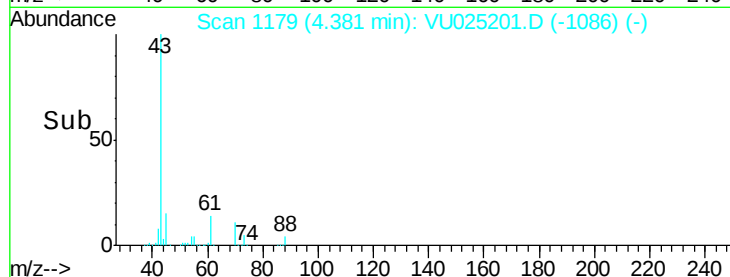
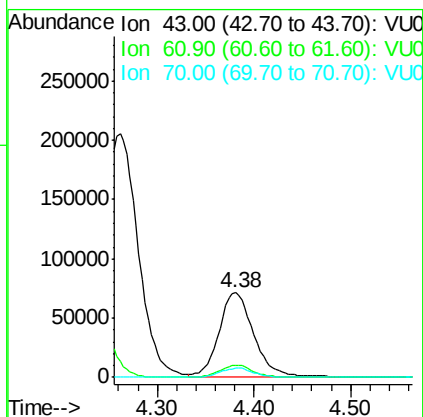
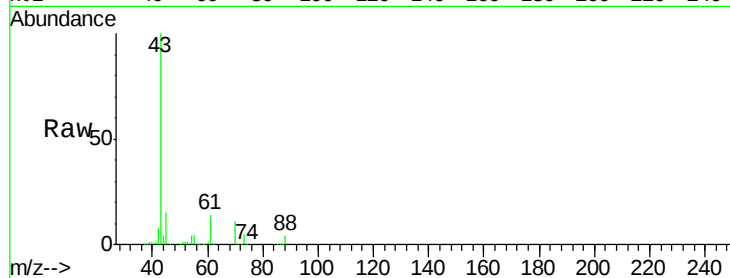




#37
Ethyl Acetate
Concen: 54.009 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

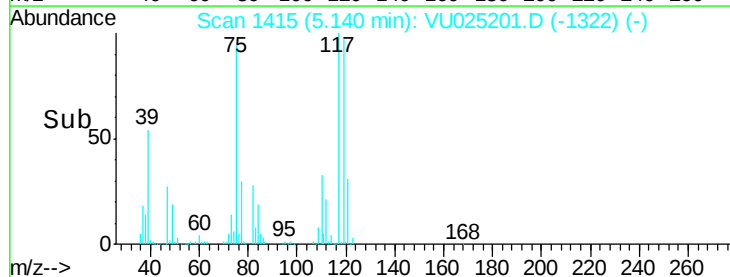
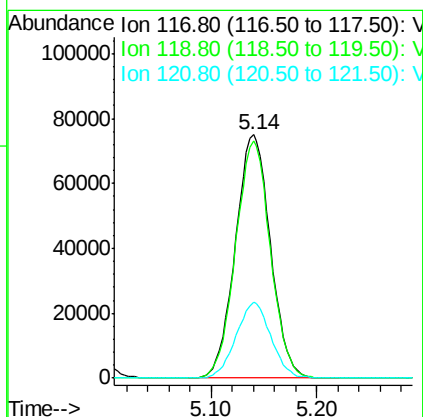
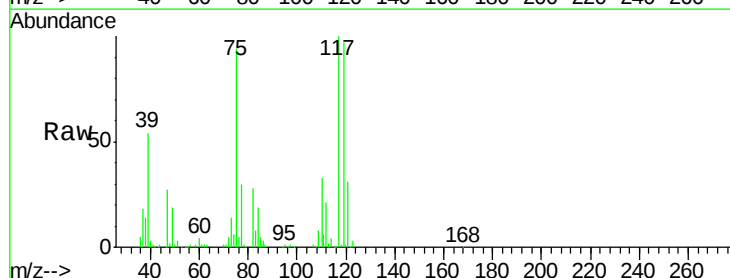
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 43 Resp: 175748
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 10.4 7.4 11.2



#38
Carbon Tetrachloride
Concen: 52.706 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 117 Resp: 173039
Ion Ratio Lower Upper
117 100
119 97.2 76.1 114.1
121 30.9 23.7 35.5

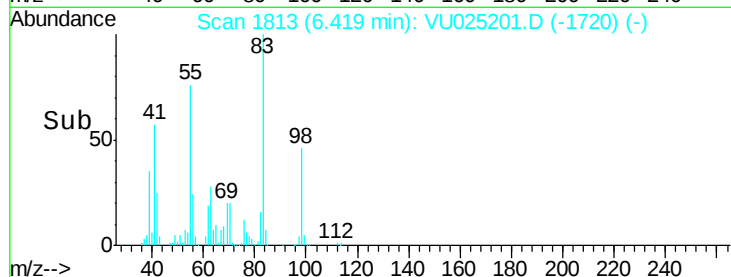
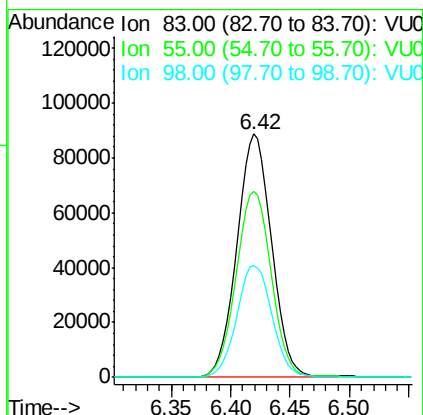
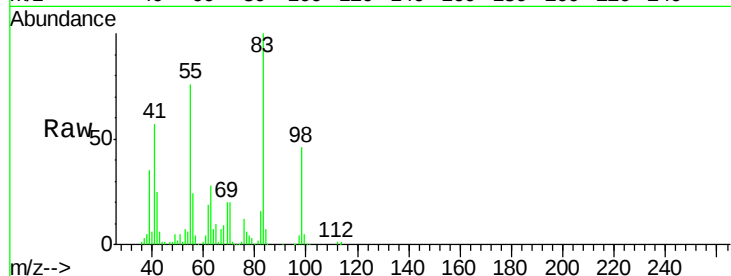




#39
Methvlcvclohexane
Concen: 48.144 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

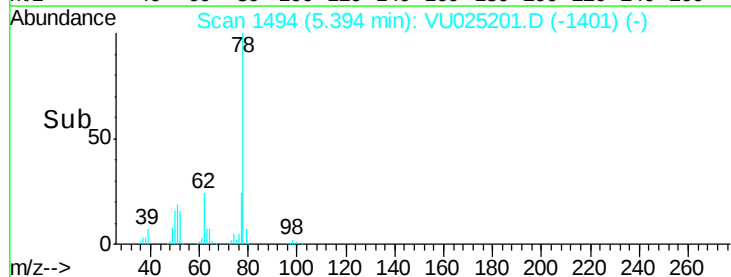
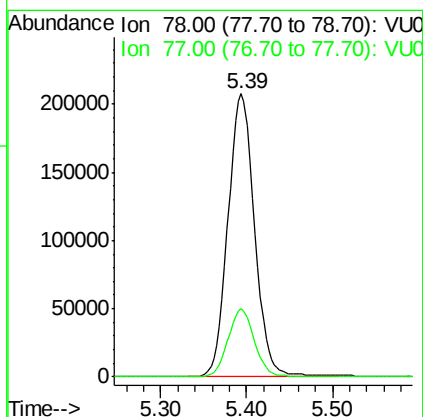
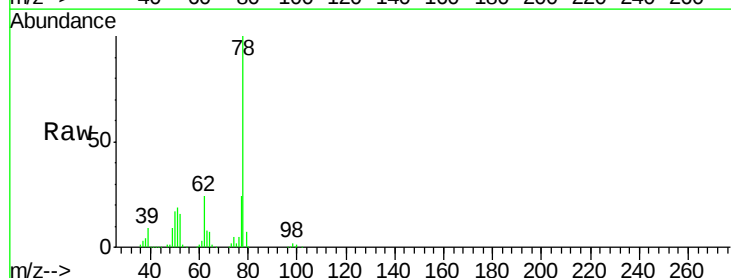
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 83 Resp: 179374
Ion Ratio Lower Upper
83 100
55 76.4 65.8 98.6
98 45.9 36.7 55.1



#40
Benzene
Concen: 52.528 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 78 Resp: 446874
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

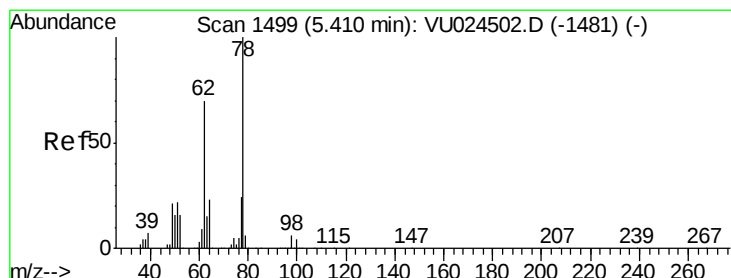
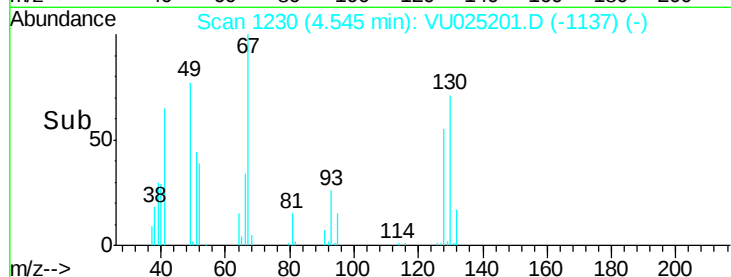
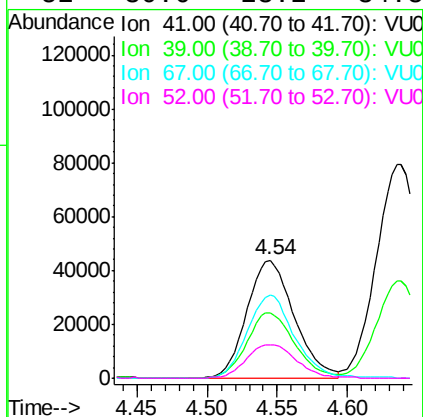
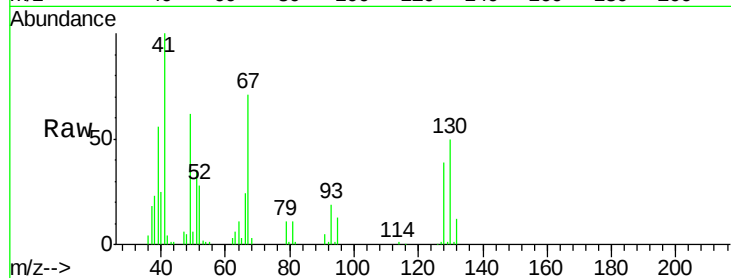




#41
Methacrylonitrile
Concen: 58.611 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

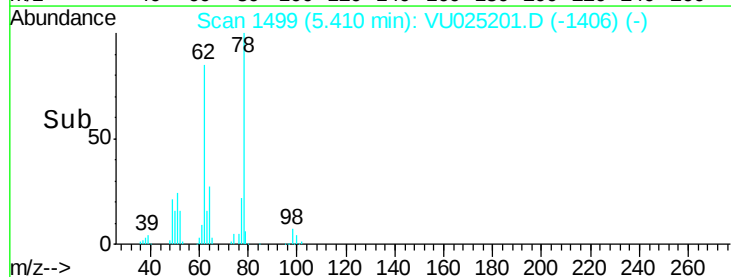
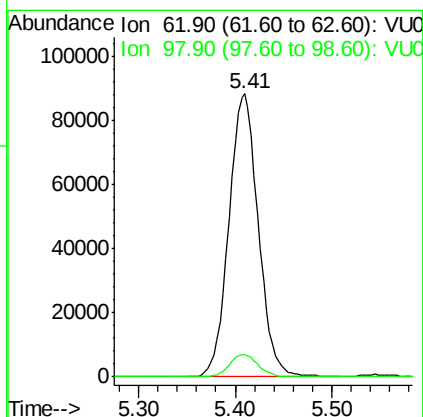
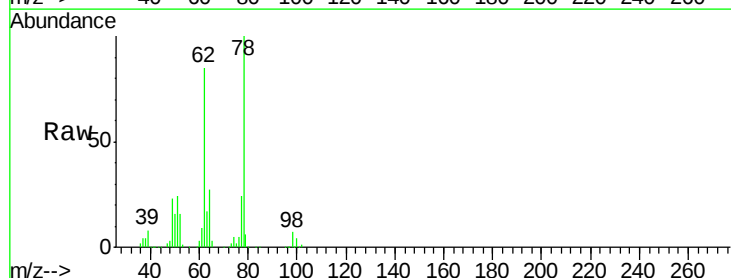
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

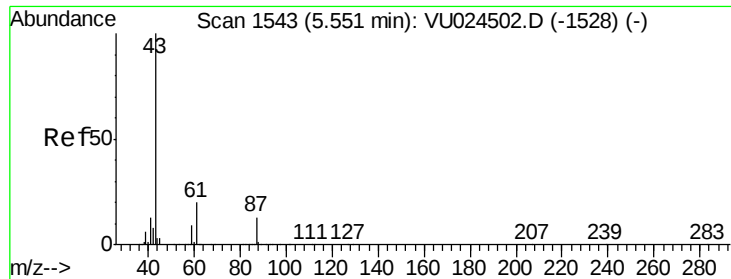
Tot Ion:	41	Resp:	102832
Ion	Ratio	Lower	Upper
41	100		
39	56.2	43.8	65.6
67	70.6	56.3	84.5
52	30.6	23.2	34.8



#42
1,2-Dichloroethane
Concen: 57.431 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion:	62	Resp:	186082
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6

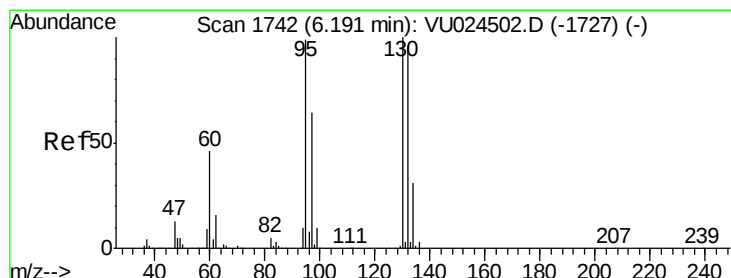
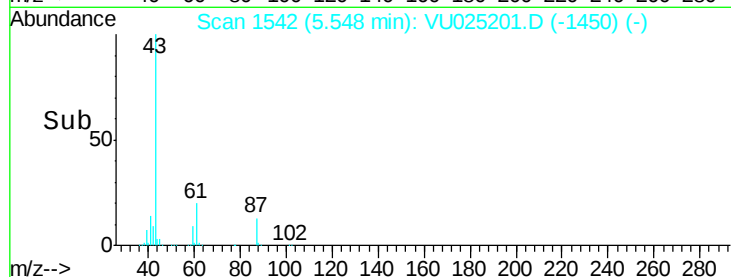
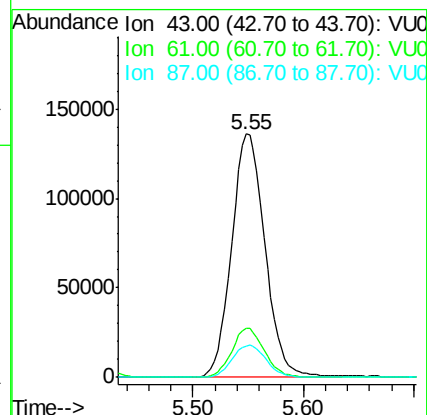
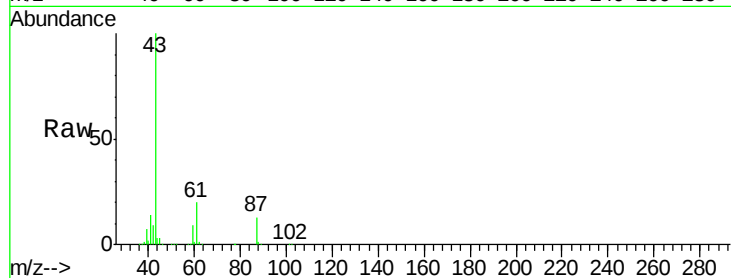




#43
Isopropyl Acetate
Concen: 50.443 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

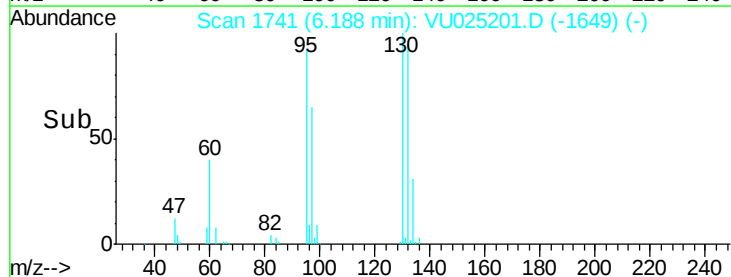
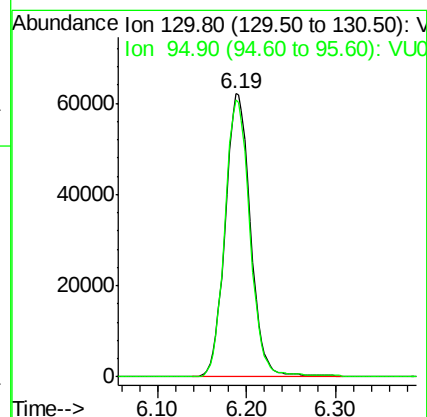
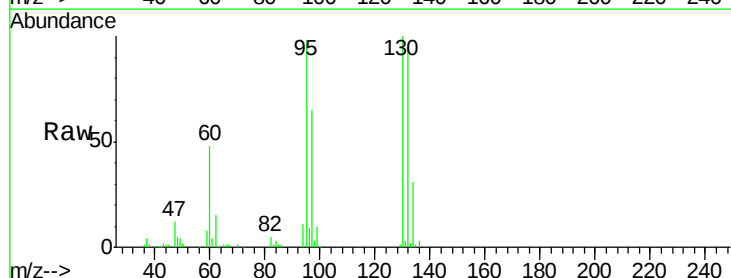
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 43 Resp: 283729
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 13.3 10.0 15.0



#44
Trichloroethene
Concen: 50.410 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 130 Resp: 122050
Ion Ratio Lower Upper
130 100
95 97.8 0.0 202.4

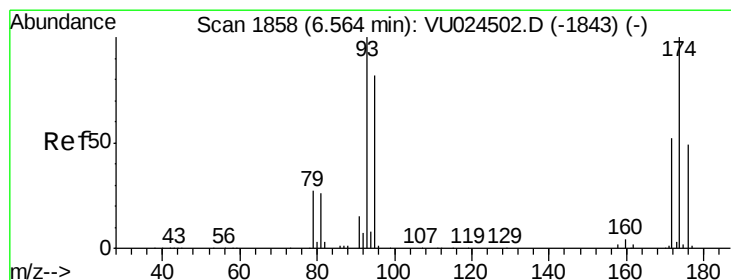
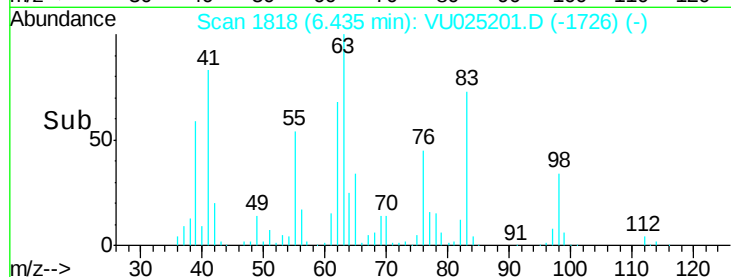
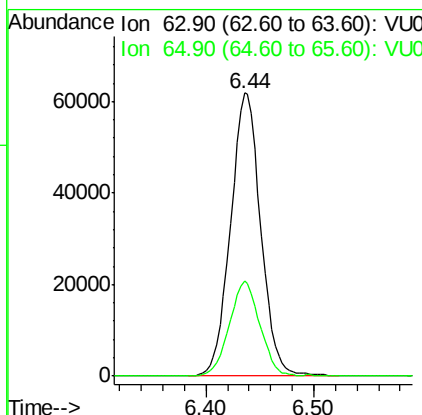
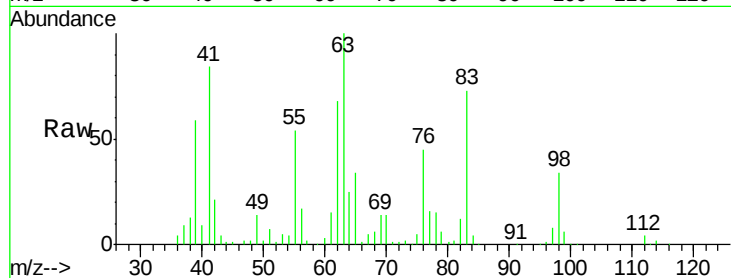




#45
 1,2-Dichloropropane
 Concen: 53.087 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

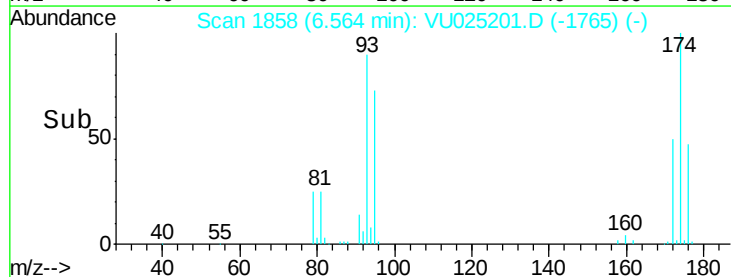
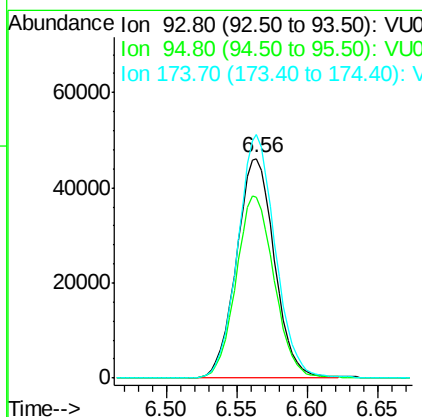
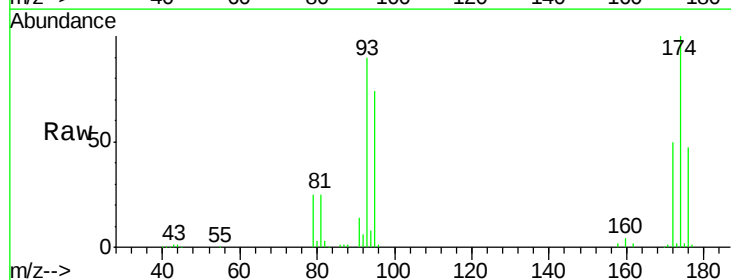
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion: 63 Resp: 120505
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.8 37.2



#46
 Dibromomethane
 Concen: 54.620 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 93 Resp: 87087
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.5 98.3
 174 109.4 78.7 118.1





#47

Bromodichloromethane

Concen: 52.600 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

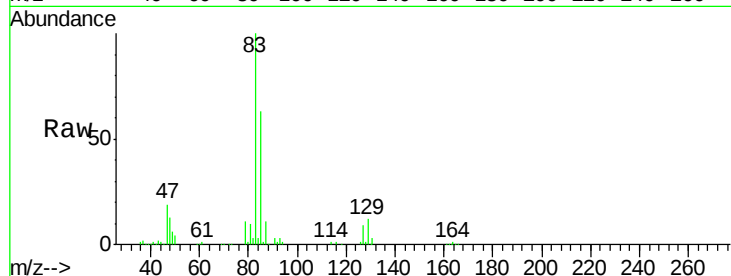
Tot Ion: 83 Resp: 167005

Ion Ratio Lower Upper

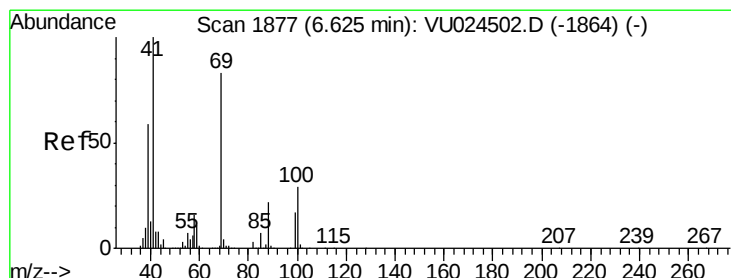
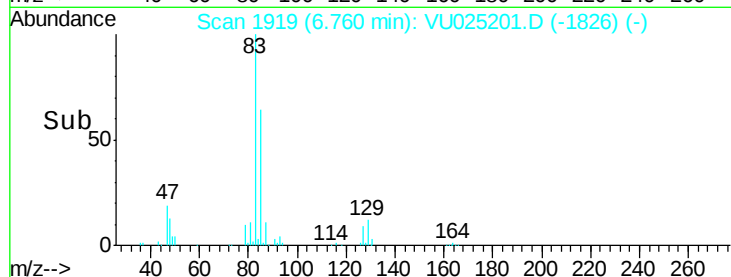
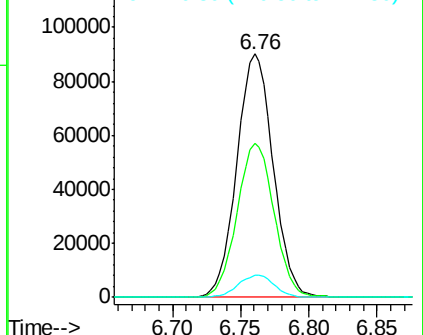
83 100

85 63.3 51.9 77.9

127 8.9 6.6 9.8



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



#48

Methyl methacrylate

Concen: 55.322 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

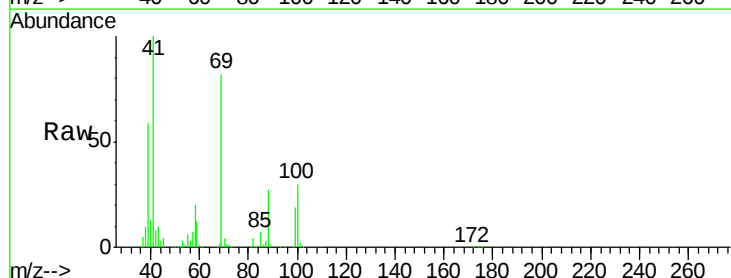
Tgt Ion: 41 Resp: 151524

Ion Ratio Lower Upper

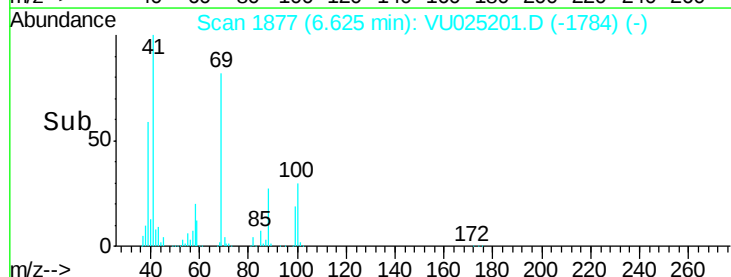
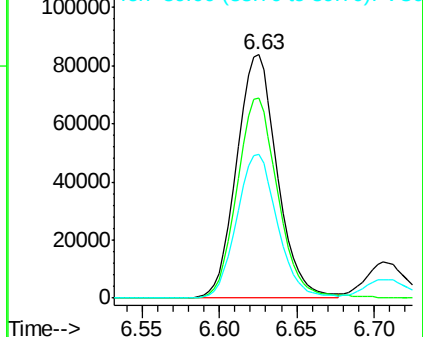
41 100

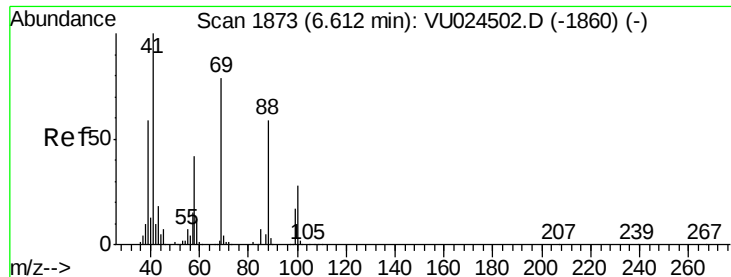
69 83.4 67.3 100.9

39 59.8 46.5 69.7



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

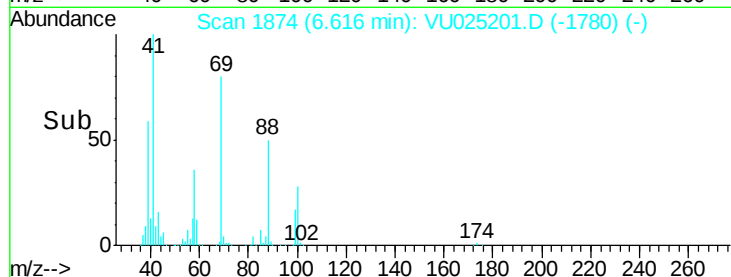
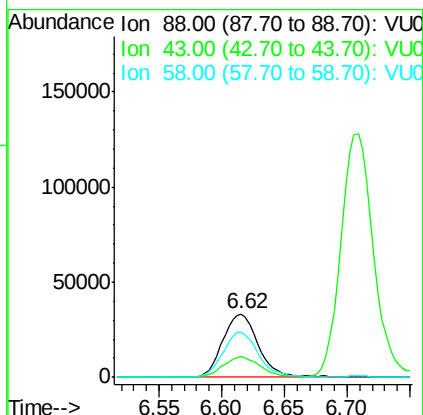
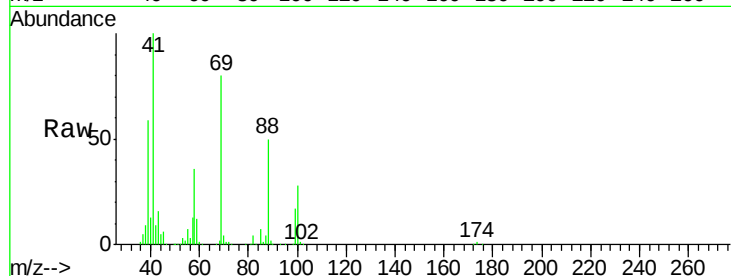




#49
1,4-Dioxane
Concen: 1187.545 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

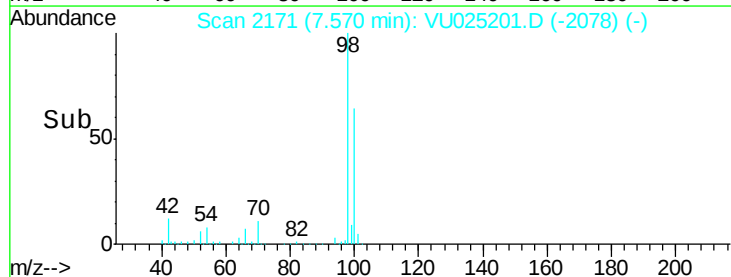
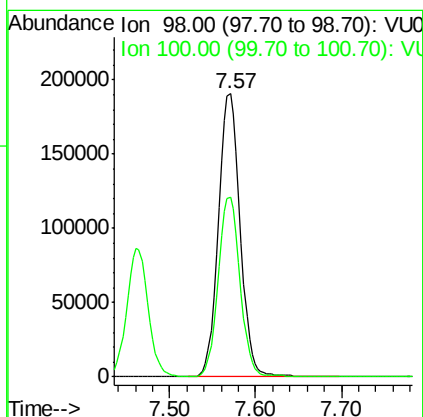
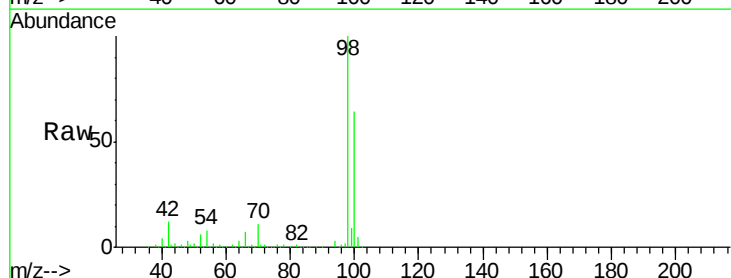
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 88 Resp: 63609
Ion Ratio Lower Upper
88 100
43 32.1 28.6 42.8
58 74.0 58.2 87.4



#50
Toluene-d8
Concen: 43.695 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 98 Resp: 336074
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7

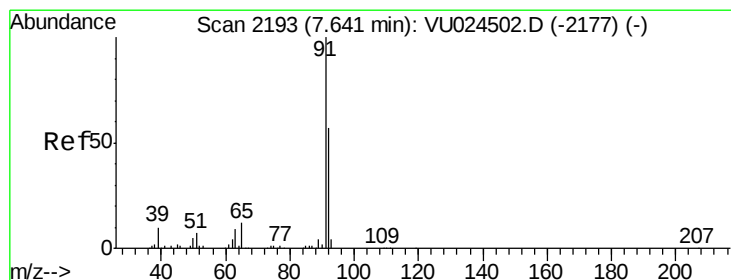
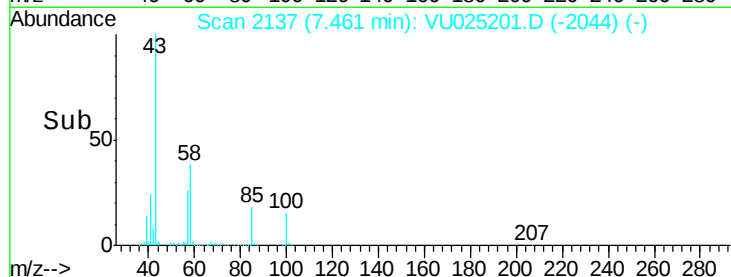
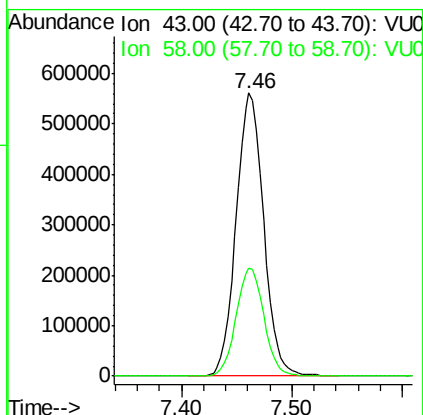
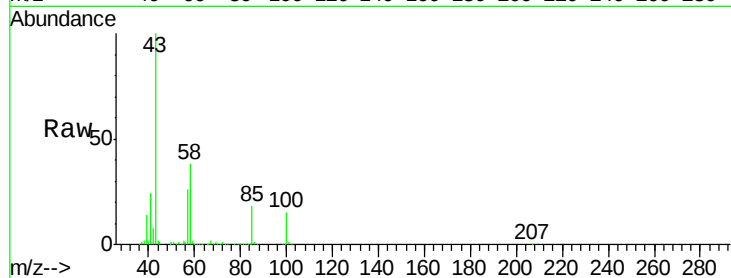




#51
 4-Methyl-2-Pentanone
 Concen: 274.254 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

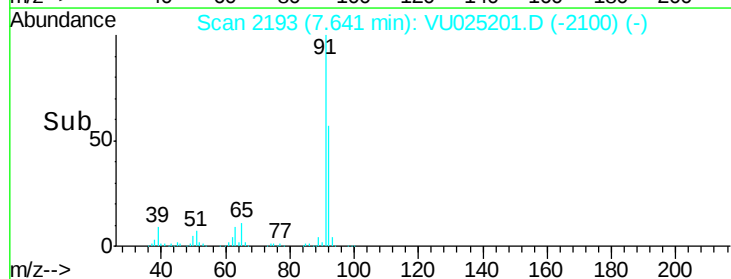
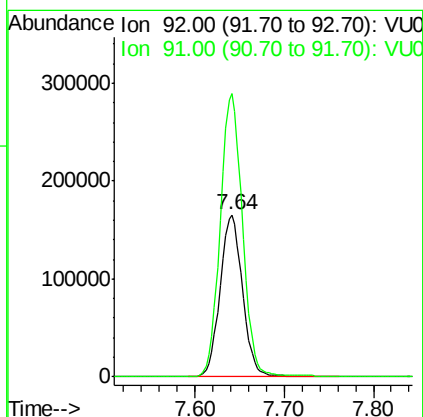
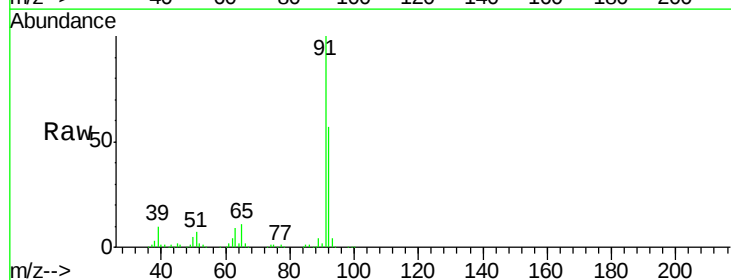
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion: 43 Resp: 969155
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.0 45.0



#52
 Toluene
 Concen: 52.815 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 92 Resp: 289073
 Ion Ratio Lower Upper
 92 100
 91 171.6 140.5 210.7

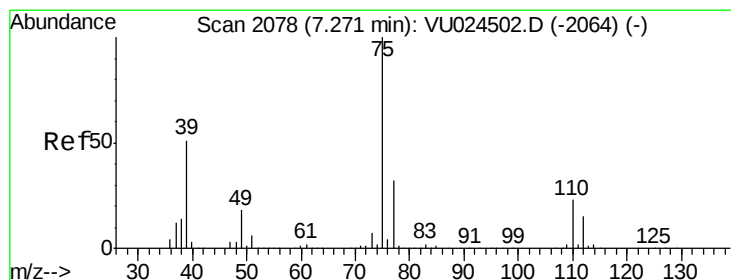
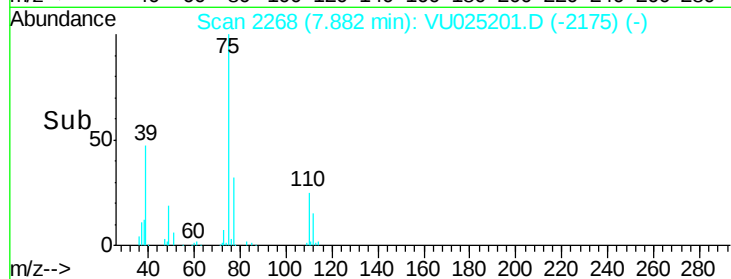
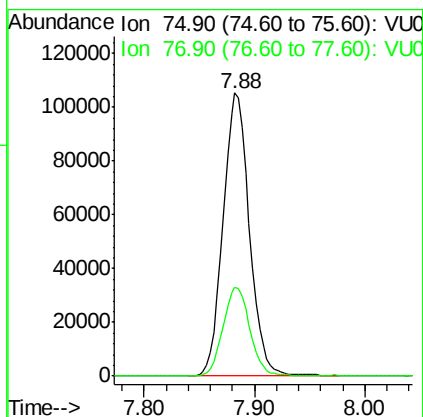
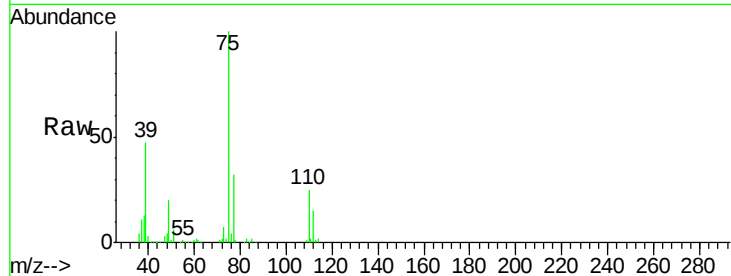




#53
t-1,3-Dichloropropene
Concen: 48.977 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

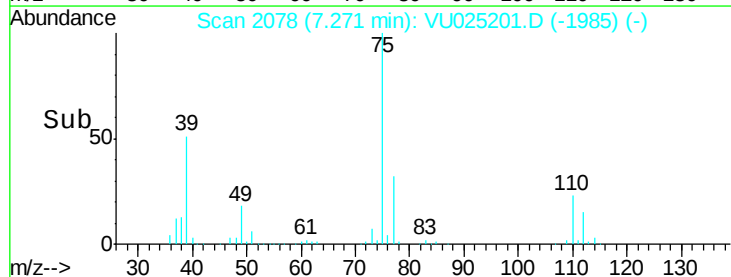
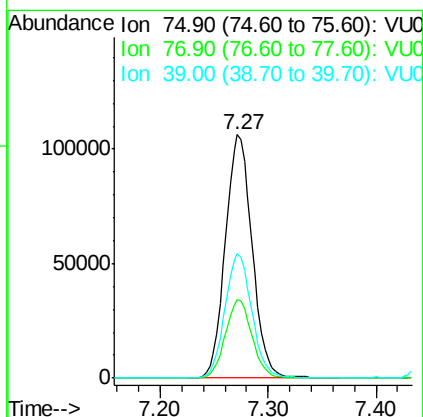
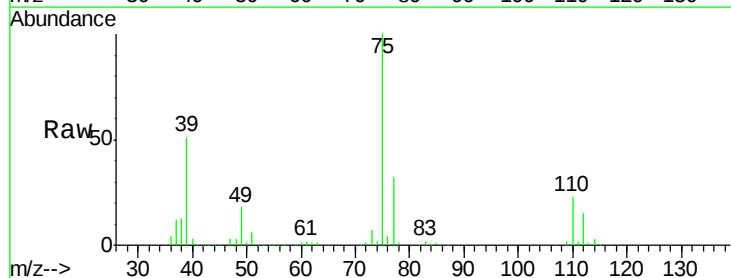
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 75 Resp: 174629
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 48.460 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 75 Resp: 184112
Ion Ratio Lower Upper
75 100
77 32.2 24.6 36.8
39 51.1 39.8 59.6

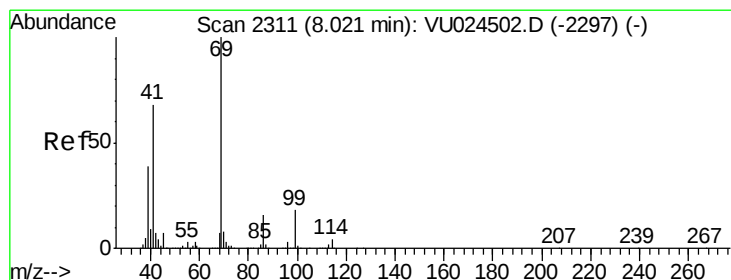
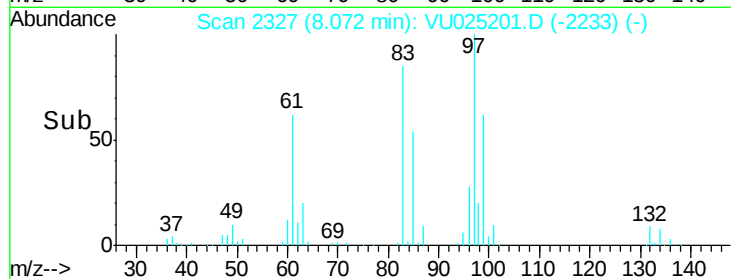
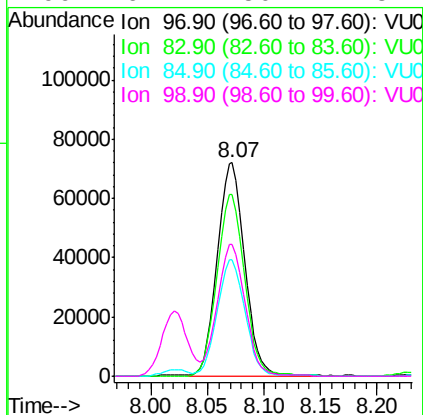
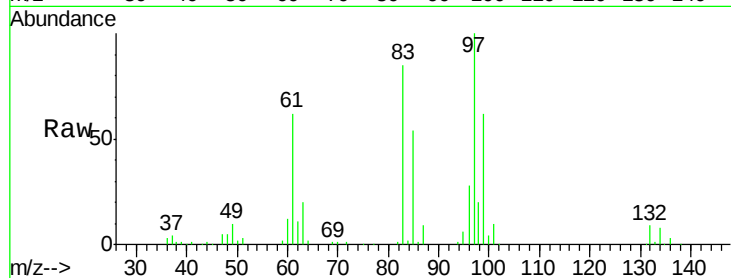




#55
 1,1,2-Trichloroethane
 Concen: 54.440 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

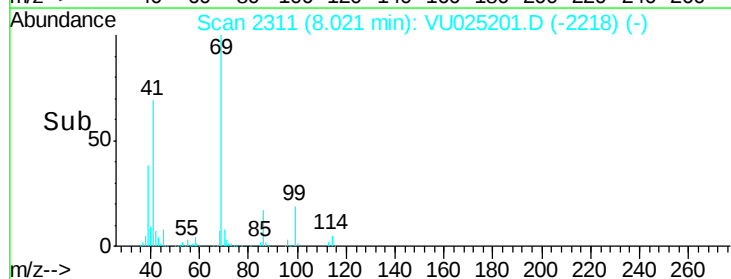
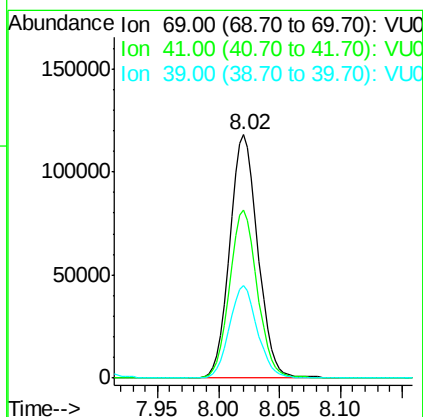
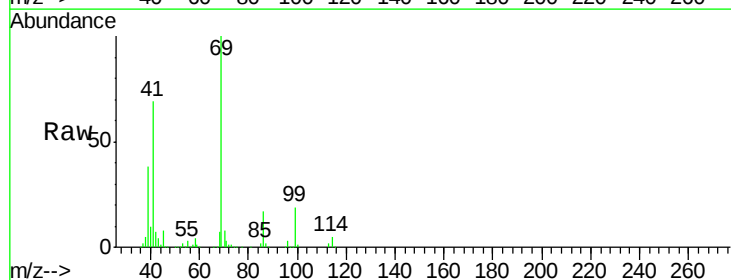
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion:	97	Resp:	121119
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.5	105.7
85	54.3	46.4	69.6
99	61.7	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 51.128 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion:	69	Resp:	190389
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	37.2	30.3	45.5

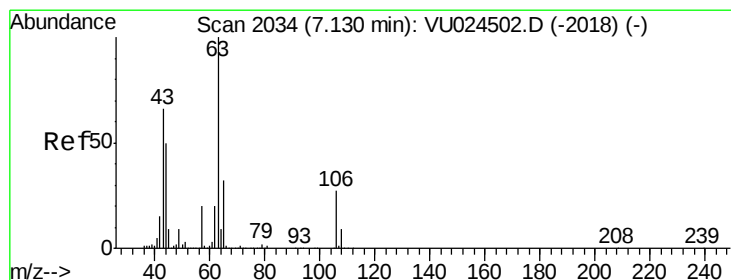
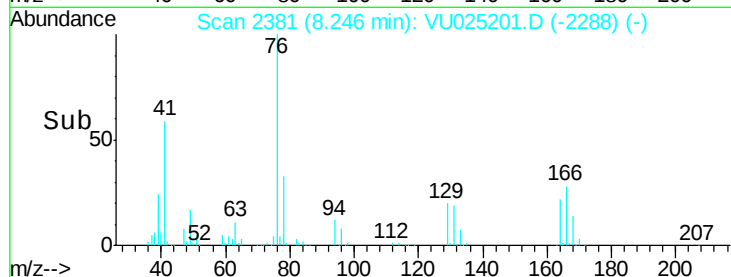
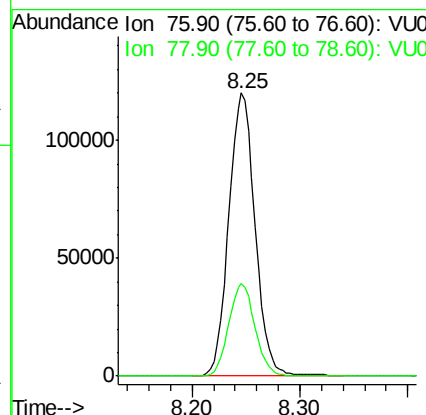
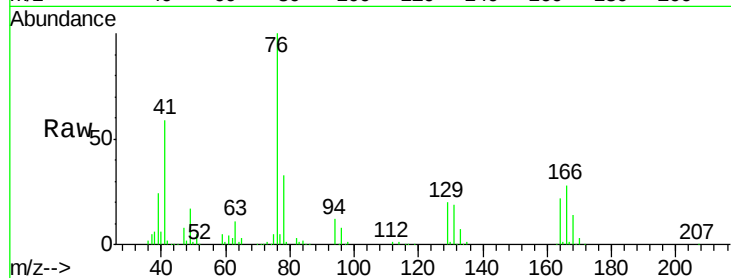




#57
 1,3-Dichloropropane
 Concen: 54.501 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

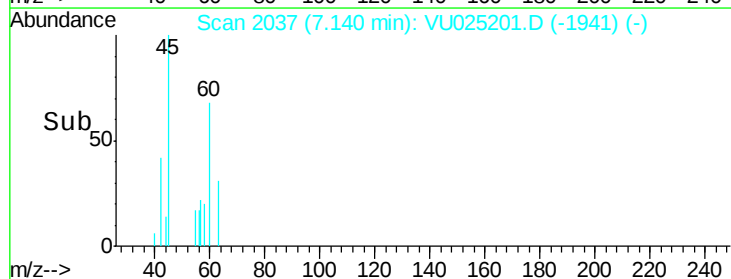
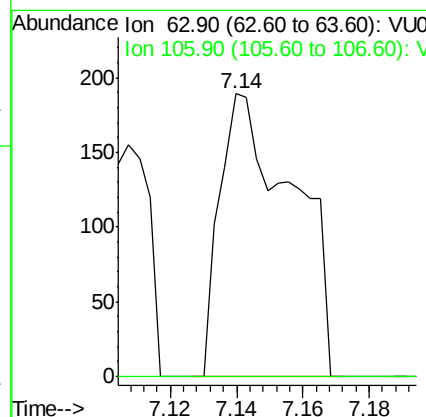
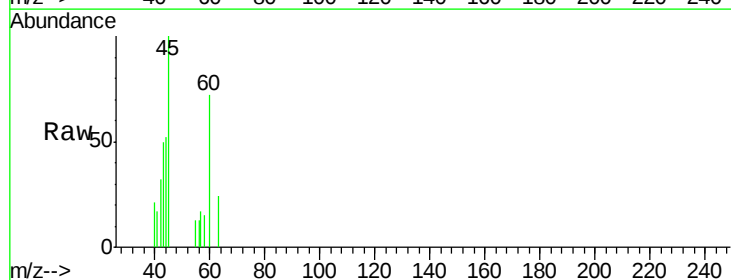
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion: 76 Resp: 204549
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.204 ug/l
 RT: 7.14 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion: 63 Resp: 291
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#

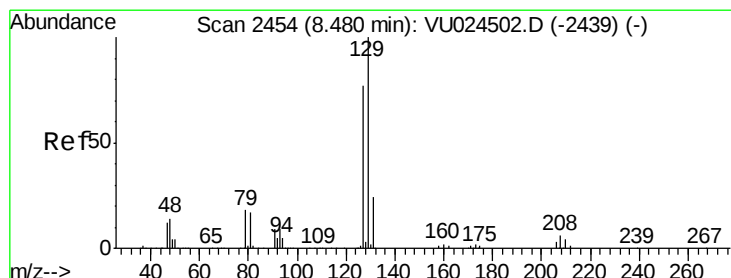
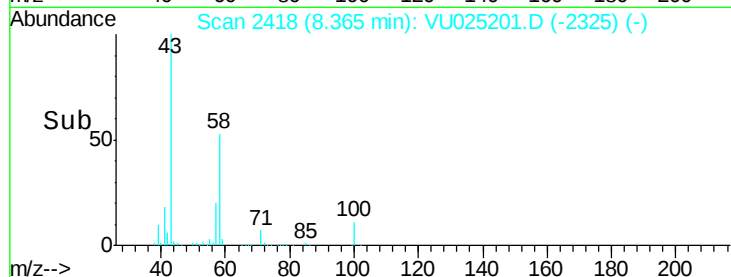
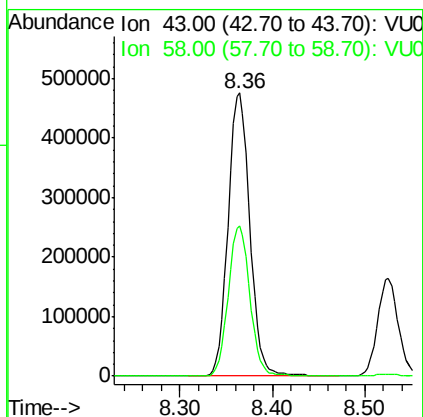
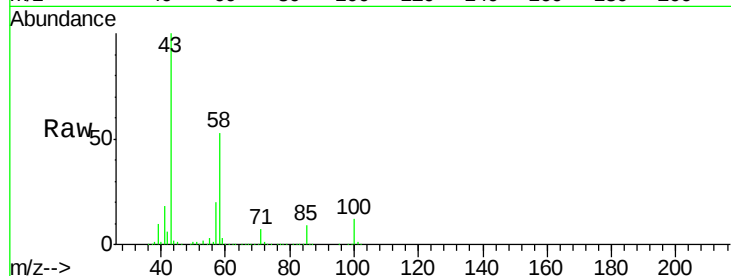




#59
2-Hexanone
Concen: 268.439 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

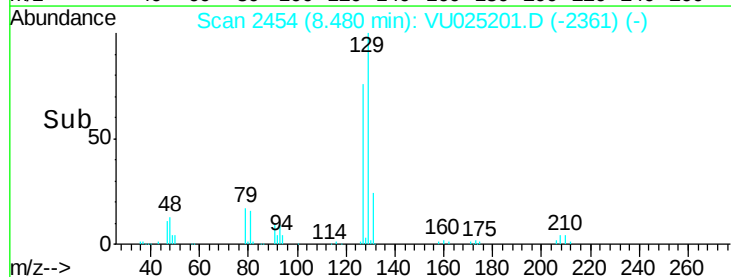
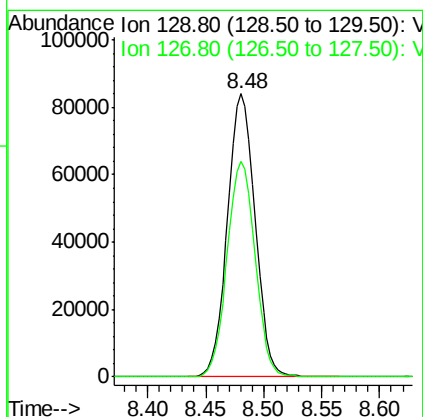
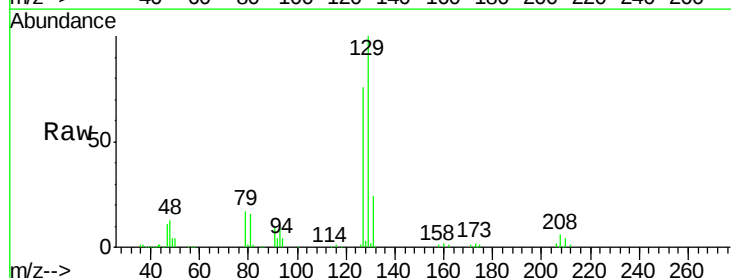
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 43 Resp: 774447
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0



#60
Dibromochloromethane
Concen: 50.213 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 129 Resp: 139310
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.259 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

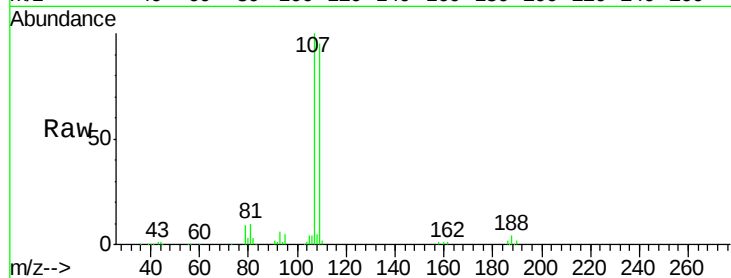
WP021MW011-180627MSD

Tot Ion:107 Resp: 131884

Ion Ratio Lower Upper

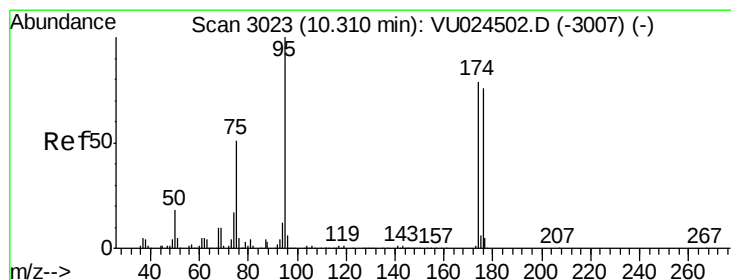
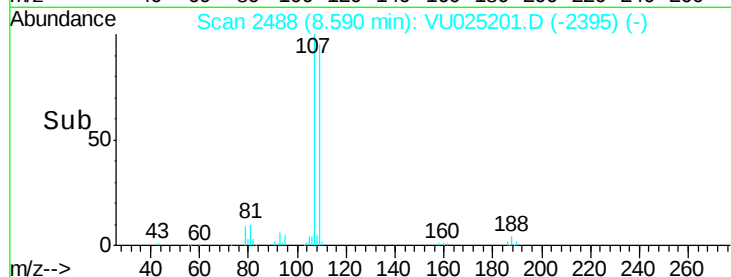
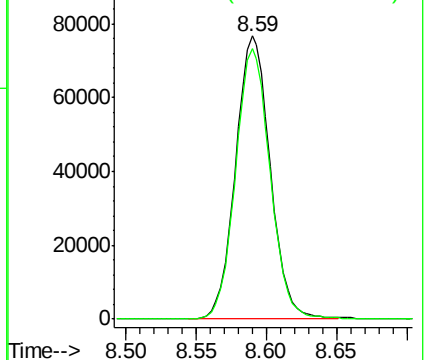
107 100

109 95.5 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: 47.353 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

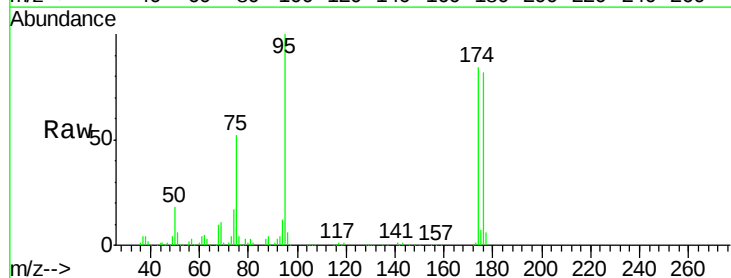
Tgt Ion: 95 Resp: 144607

Ion Ratio Lower Upper

95 100

174 86.7 0.0 165.8

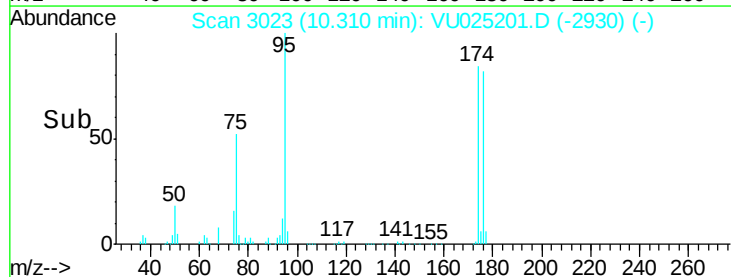
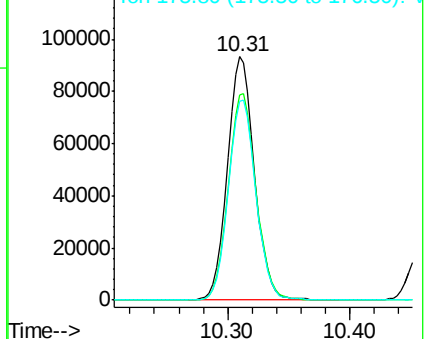
176 83.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

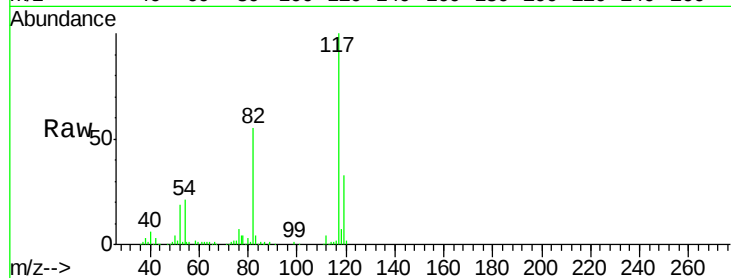




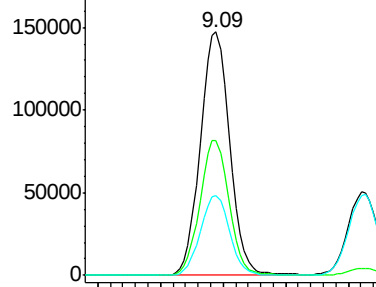
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

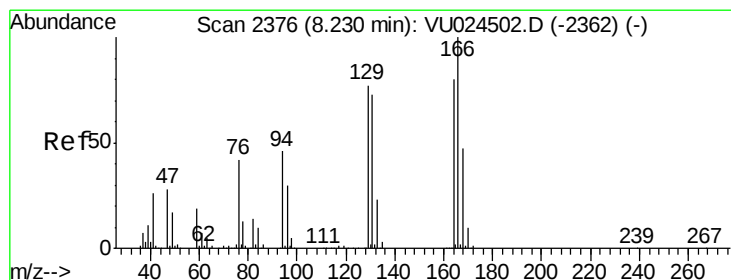
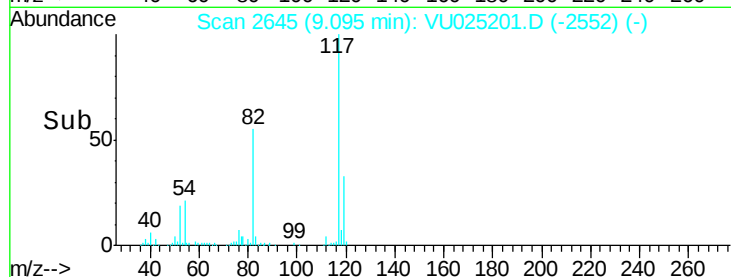
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.7	25.4	38.2



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



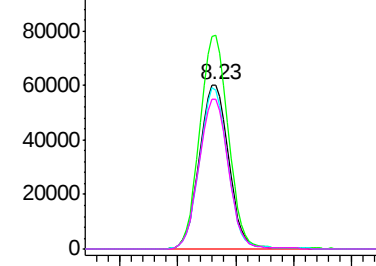
Time--> 9.00 9.05 9.10 9.15 9.20



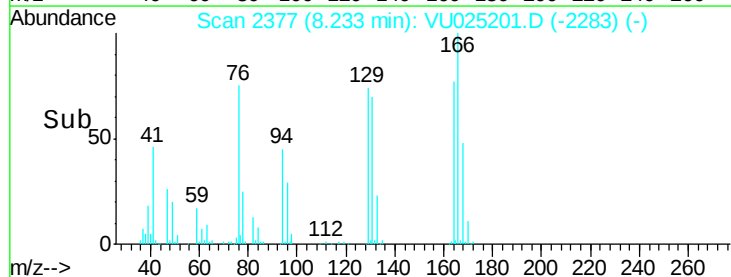
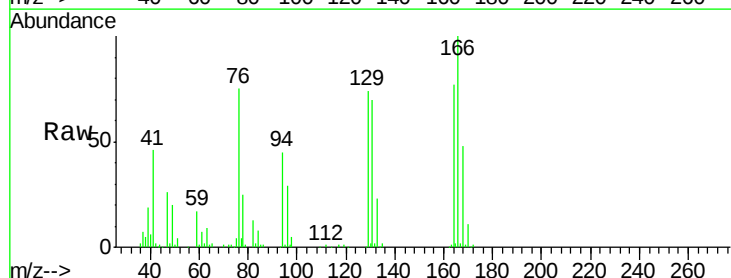
#64
Tetrachloroethene
Concen: 46.167 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.7	152.5
129	96.9	76.9	115.3
131	91.6	74.9	112.3

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



Time--> 8.15 8.20 8.25 8.30 8.35

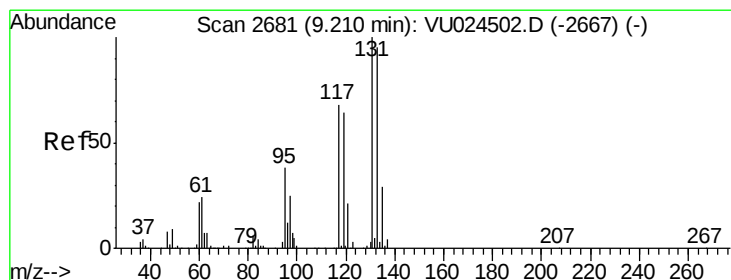
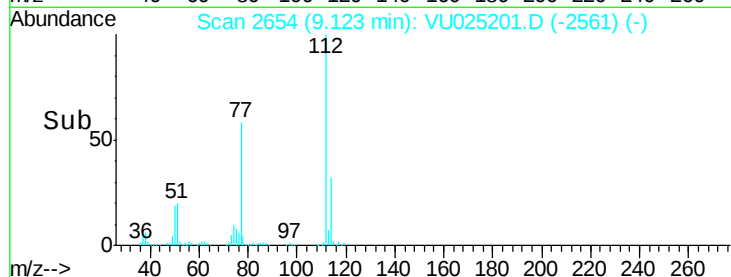
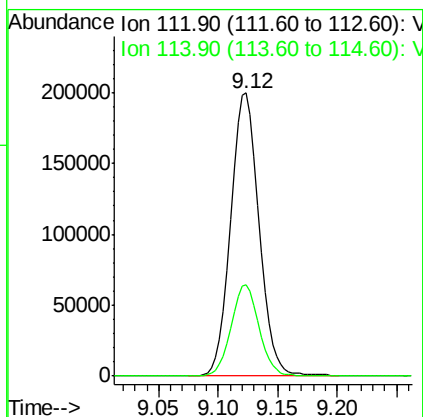
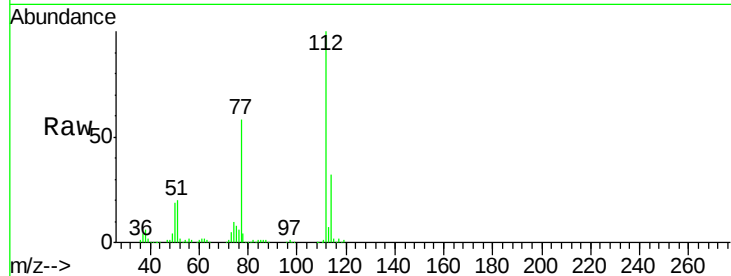




#65
Chlorobenzene
Concen: 53.939 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

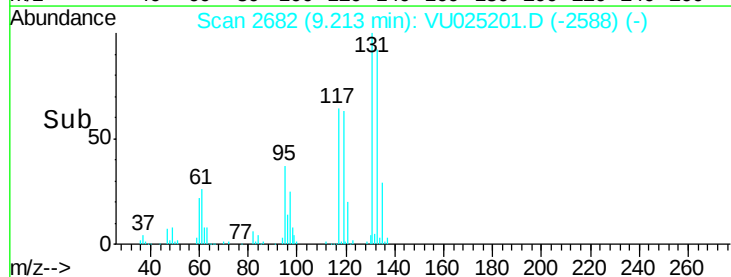
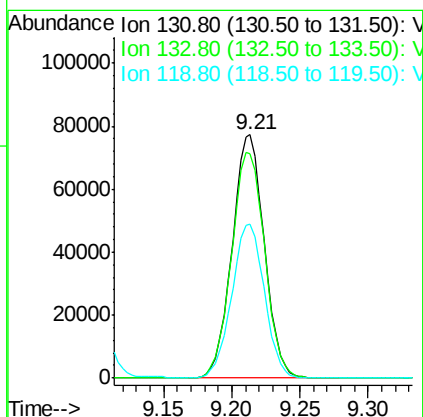
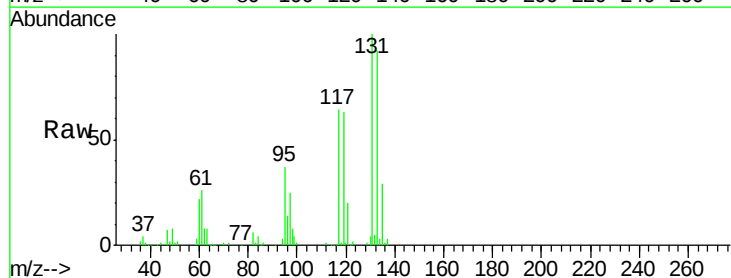
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

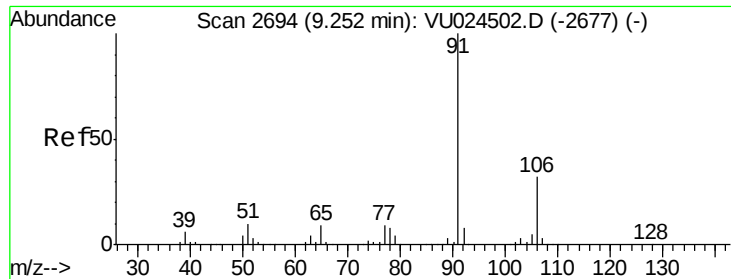
Tot Ion:112 Resp: 330919
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.081 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion:131 Resp: 126055
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.8
119 64.5 33.5 100.4

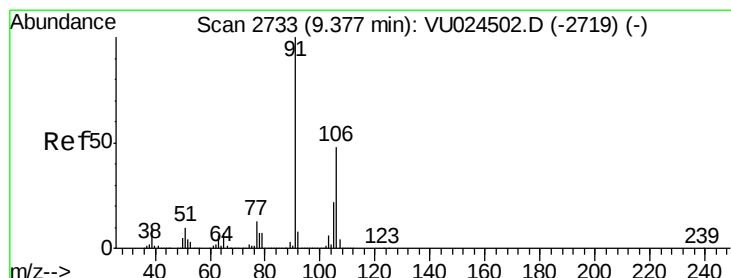
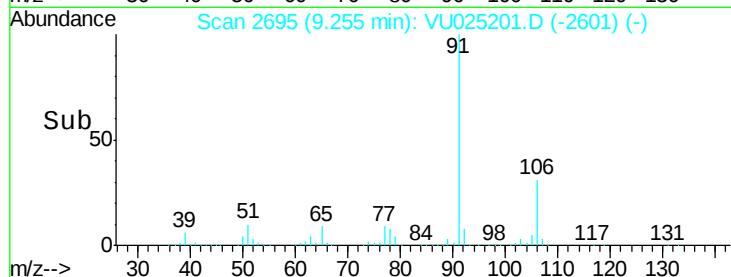
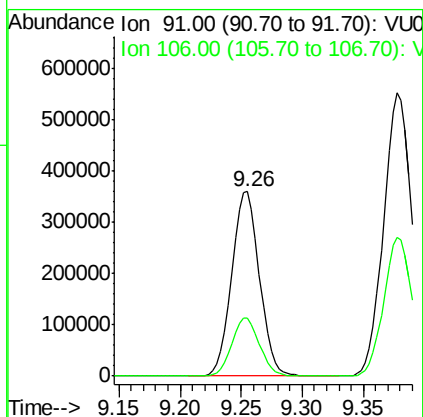
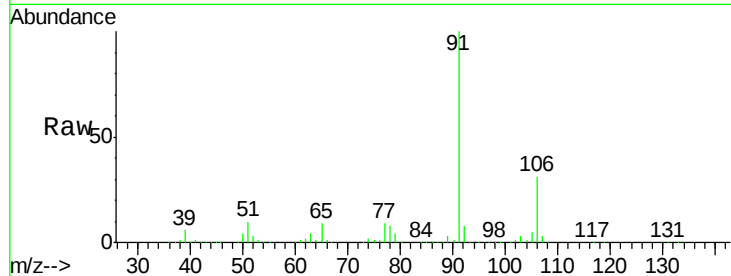




#67
Ethyl Benzene
Concen: 52.999 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

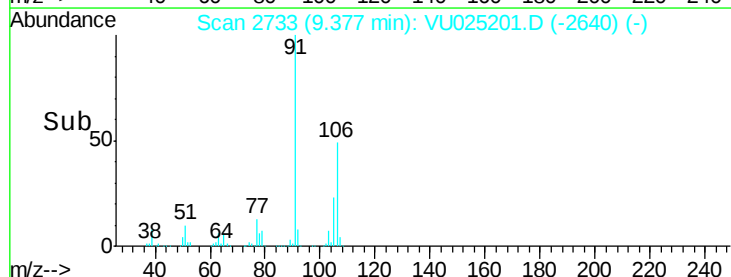
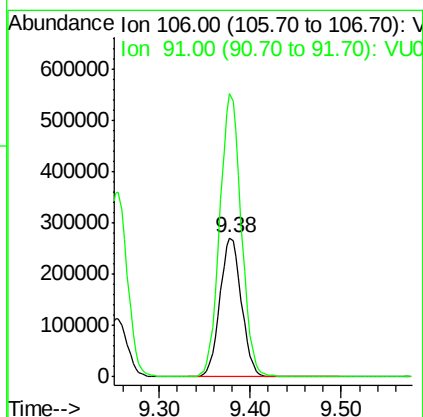
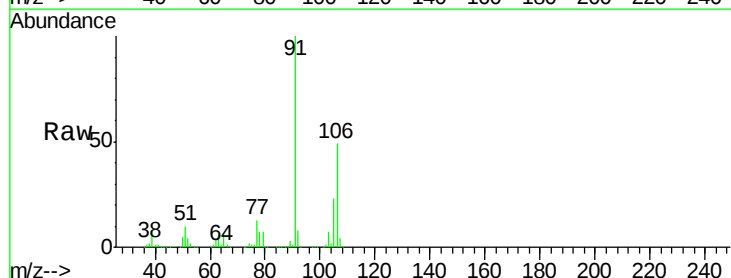
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 91 Resp: 570021
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4



#68
m/p-Xylenes
Concen: 107.782 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 106 Resp: 445145
Ion Ratio Lower Upper
106 100
91 203.5 166.5 249.7

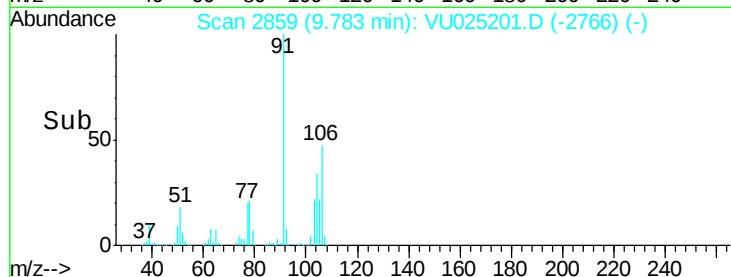
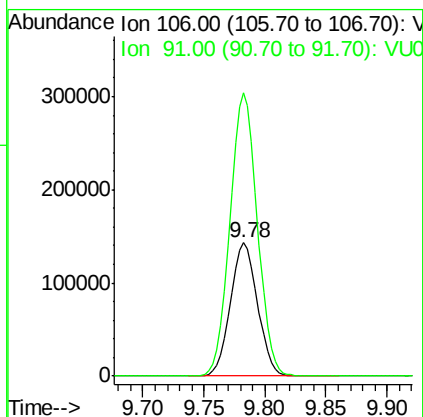
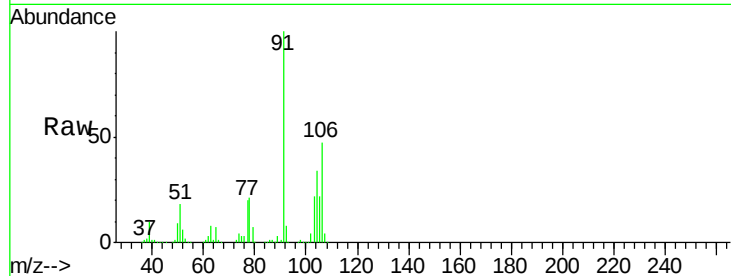




#69
o-Xylene
Concen: 54.344 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

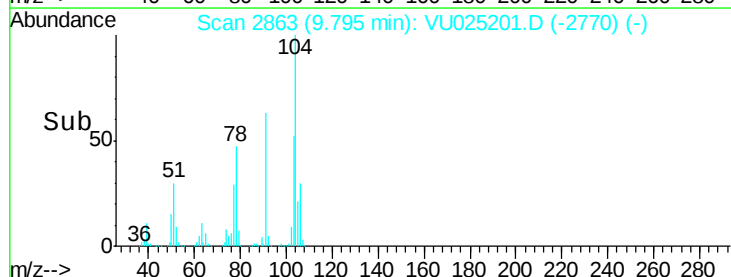
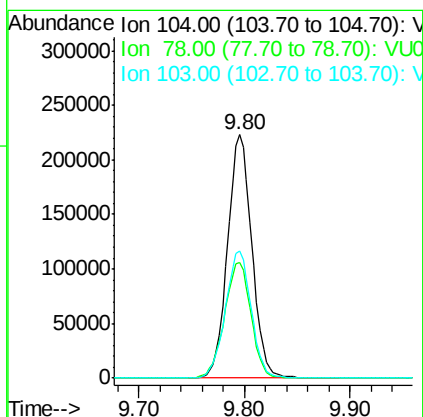
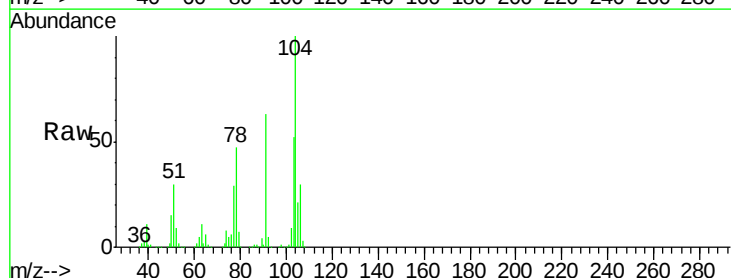
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

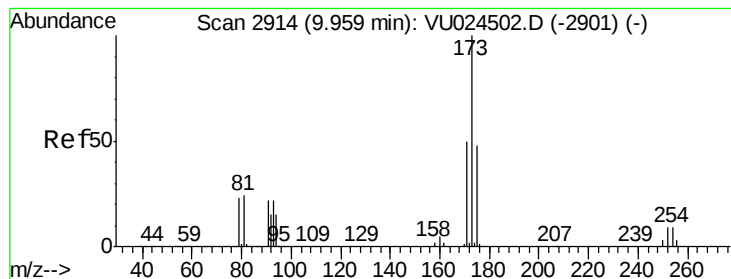
Tot Ion:106 Resp: 222123
Ion Ratio Lower Upper
106 100
91 214.4 110.7 331.9



#70
Styrene
Concen: 52.821 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion:104 Resp: 354796
Ion Ratio Lower Upper
104 100
78 51.6 40.6 60.8
103 55.5 44.7 67.1





#71

Bromoform

Concen: 48.649 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

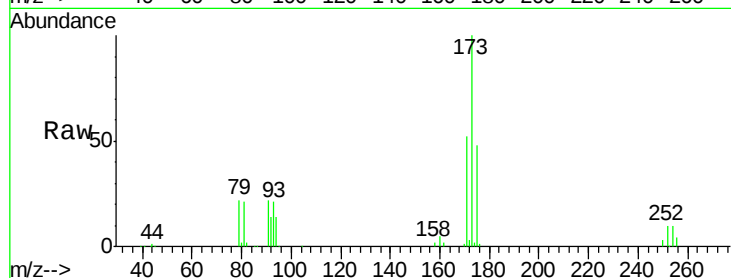
Tot Ion:173 Resp: 107780

Ion Ratio Lower Upper

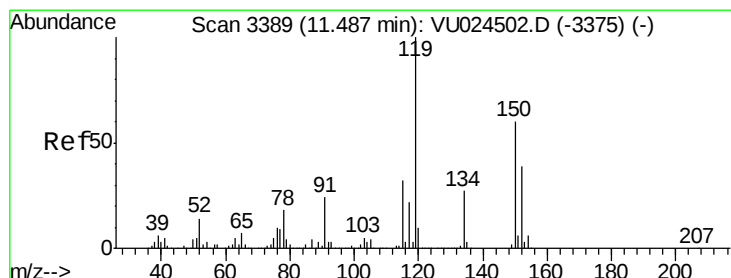
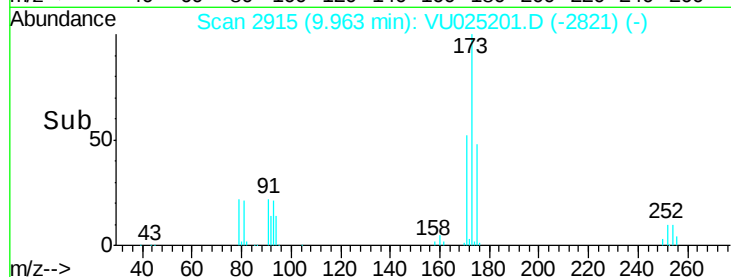
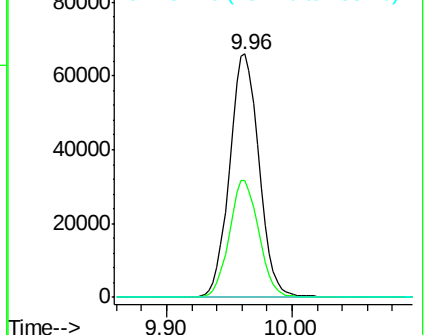
173 100

175 48.2 24.6 74.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

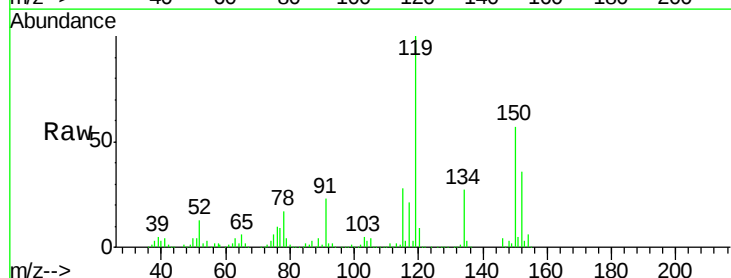
Tgt Ion:152 Resp: 141568

Ion Ratio Lower Upper

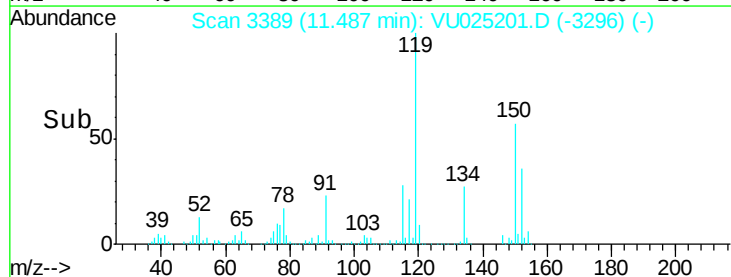
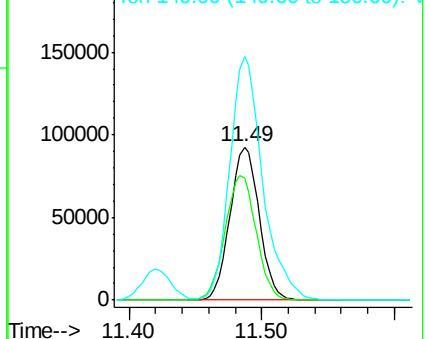
152 100

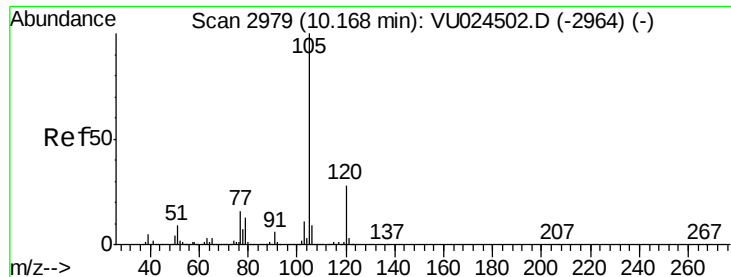
115 86.2 43.0 129.0

150 179.4 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: 54.933 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

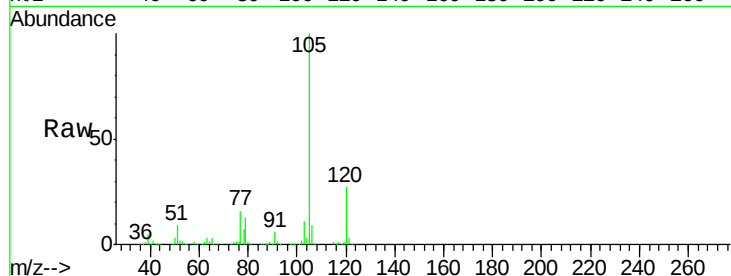
WP021MW011-180627MSD

Tot Ion:105 Resp: 597065

Ion Ratio Lower Upper

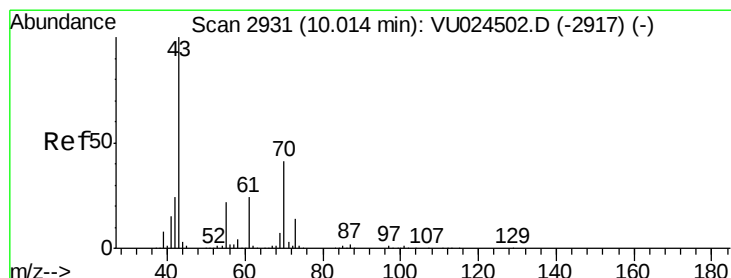
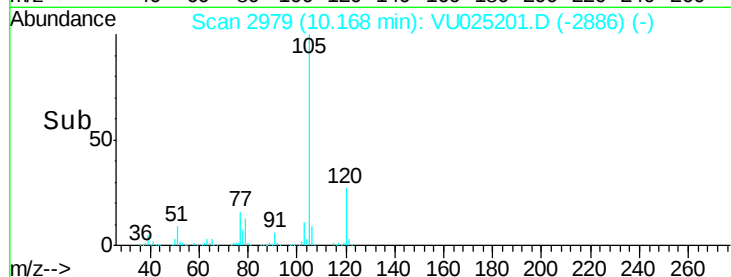
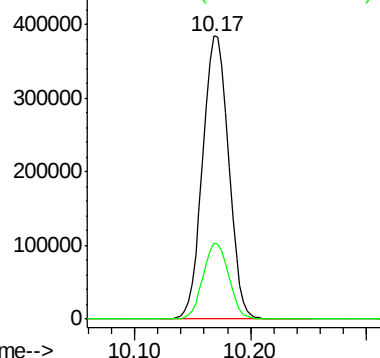
105 100

120 26.5 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-ethyl acetate

Concen: 48.281 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Tgt Ion: 43 Resp: 249605

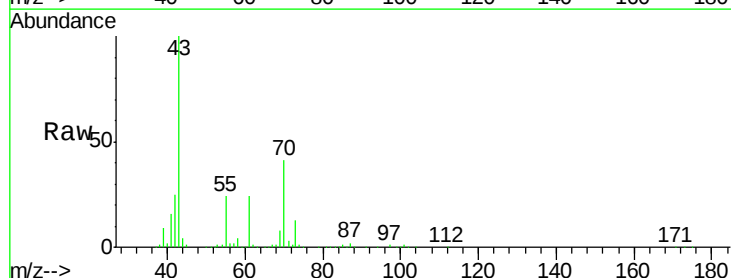
Ion Ratio Lower Upper

43 100

70 40.9 32.2 48.4

55 23.7 20.5 30.7

61 23.8 18.7 28.1

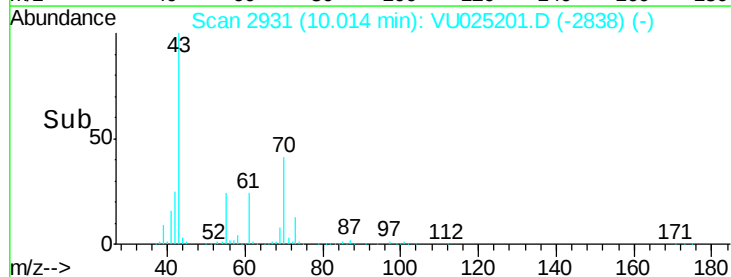
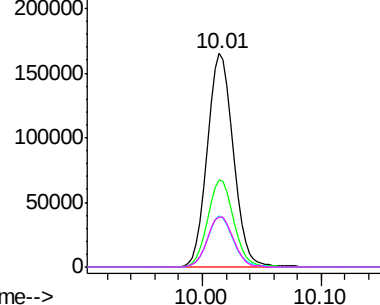


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 56.494 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

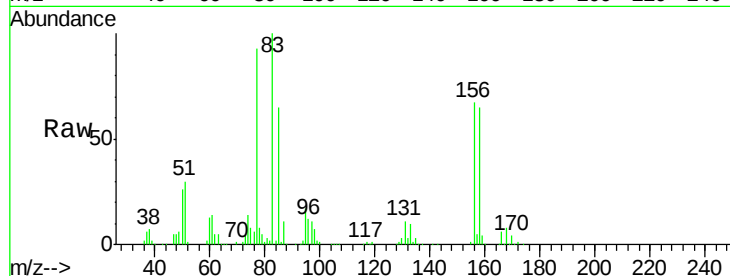
Tot Ion: 83 Resp: 205765

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

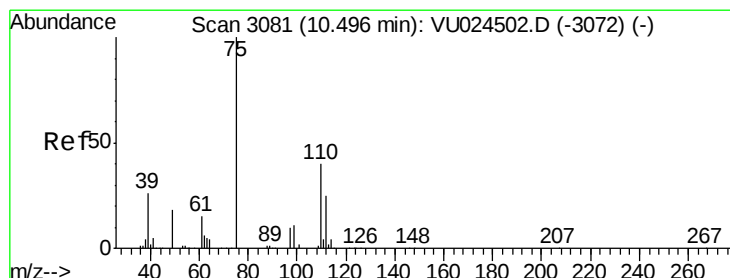
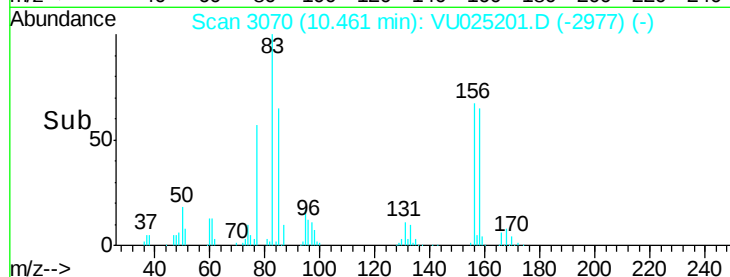
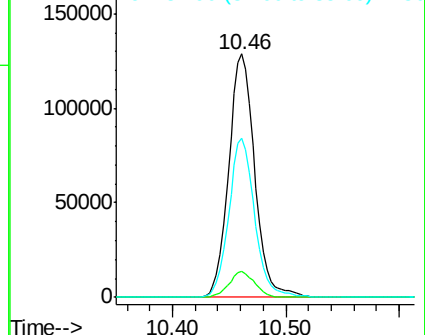
85 65.1 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 76.276 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025201.D

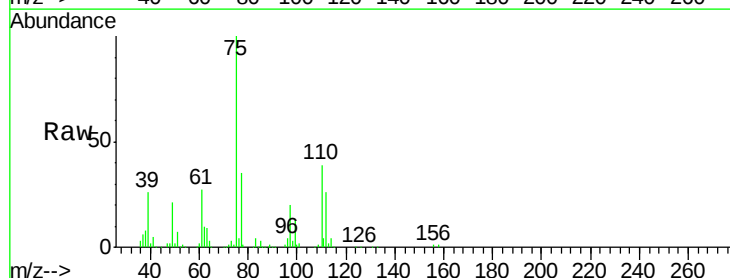
Acq: 03 Jul 2018 20:04

Tgt Ion: 75 Resp: 237738

Ion Ratio Lower Upper

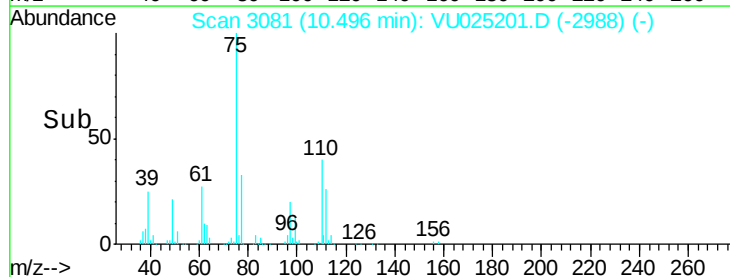
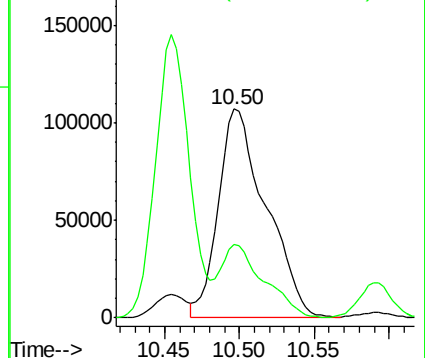
75 100

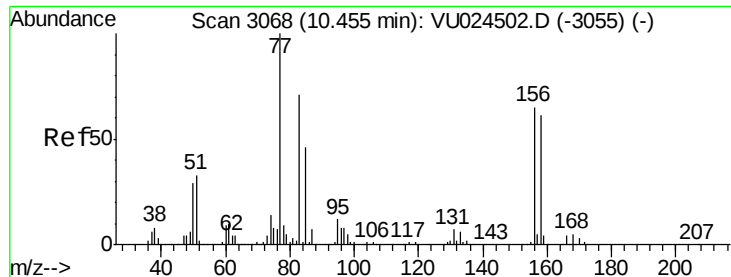
77 32.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 55.973 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

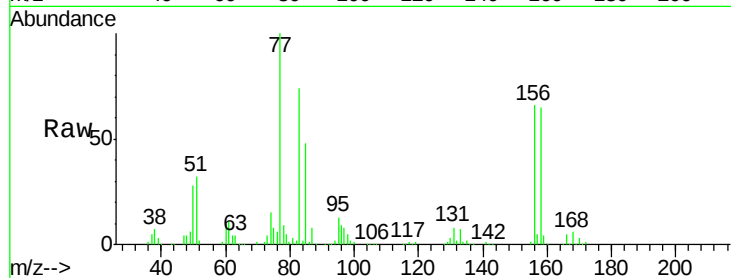
Tot Ion:156 Resp: 154016

Ion Ratio Lower Upper

156 100

77 147.4 80.5 241.3

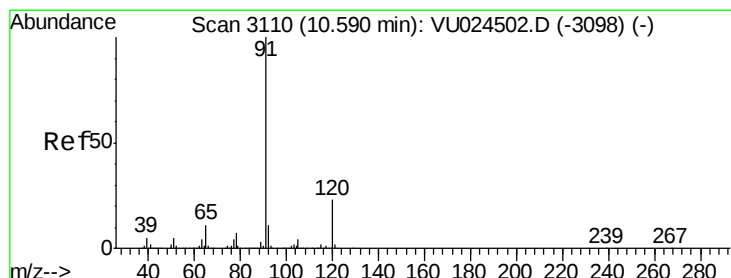
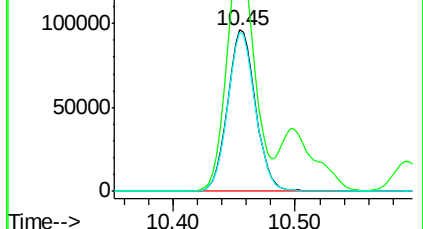
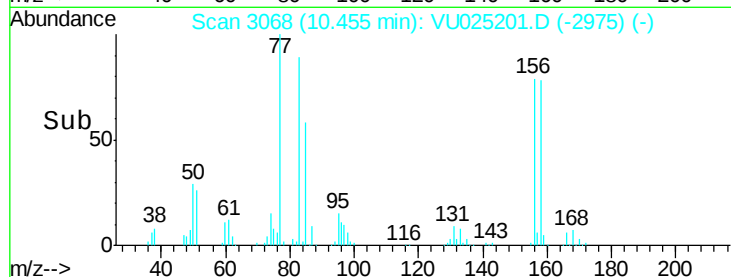
158 97.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.935 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025201.D

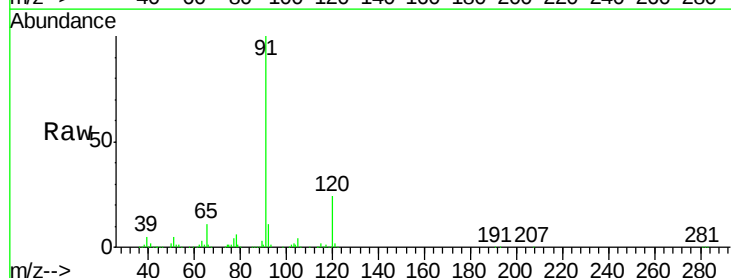
Acq: 03 Jul 2018 20:04

Tgt Ion: 91 Resp: 664951

Ion Ratio Lower Upper

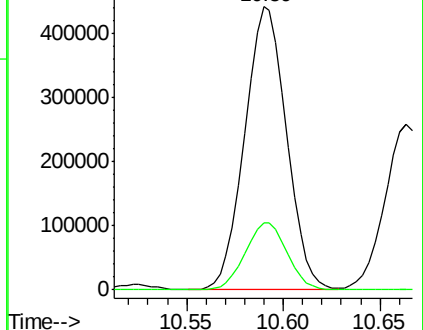
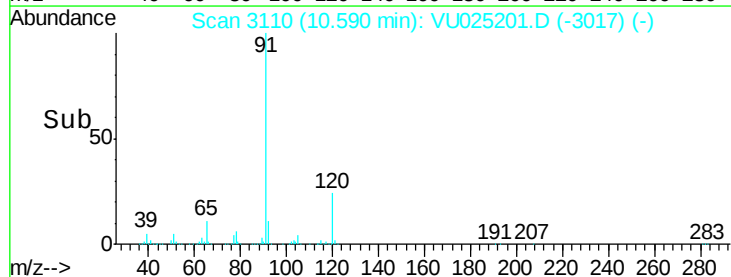
91 100

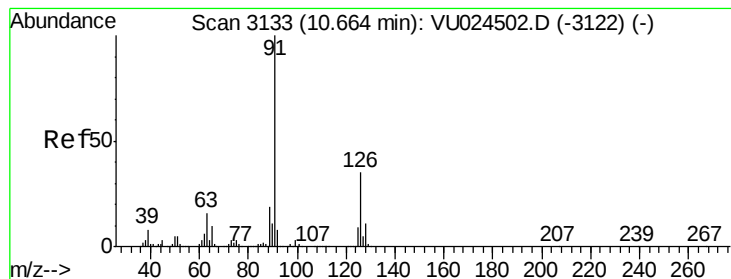
120 23.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.611 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

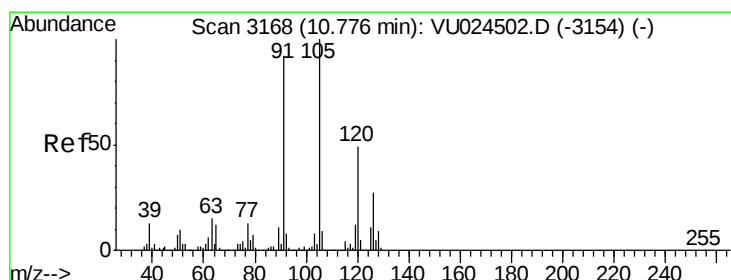
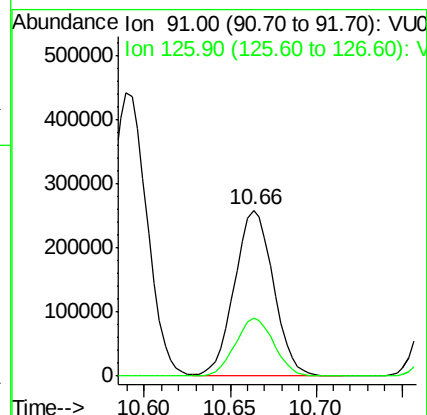
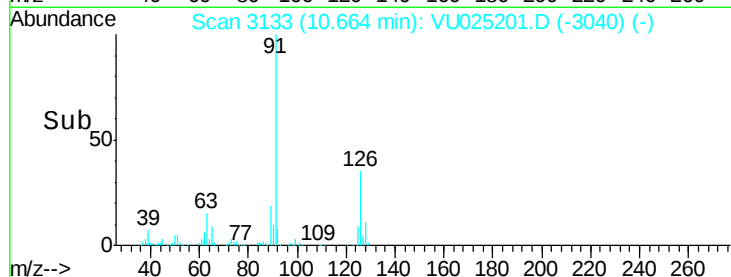
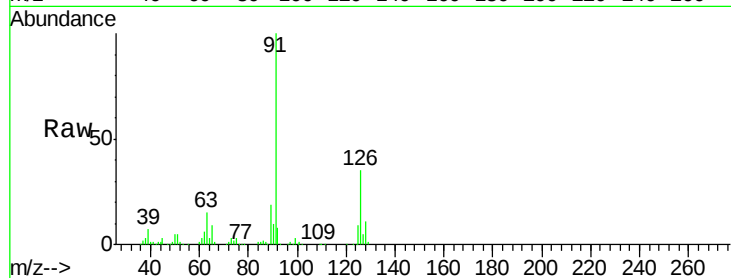
WP021MW011-180627MSD

Tot Ion: 91 Resp: 404788

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 54.106 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025201.D

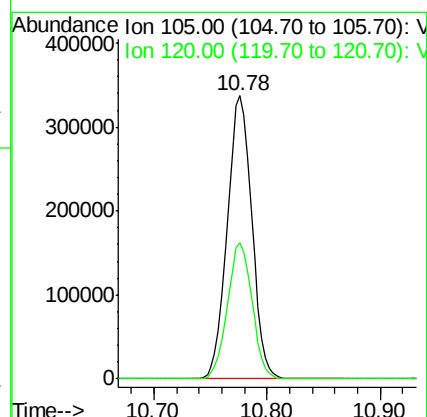
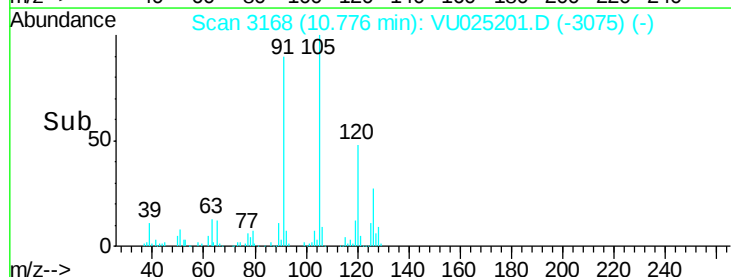
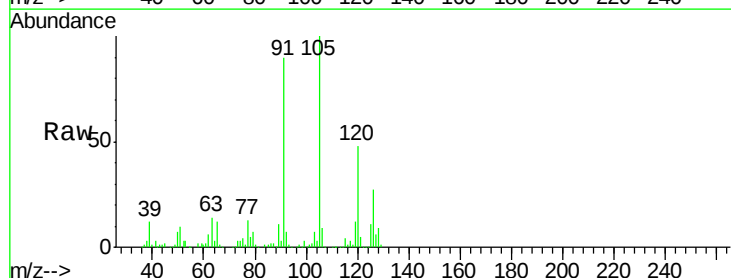
Acq: 03 Jul 2018 20:04

Tgt Ion: 105 Resp: 509713

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 176.534 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

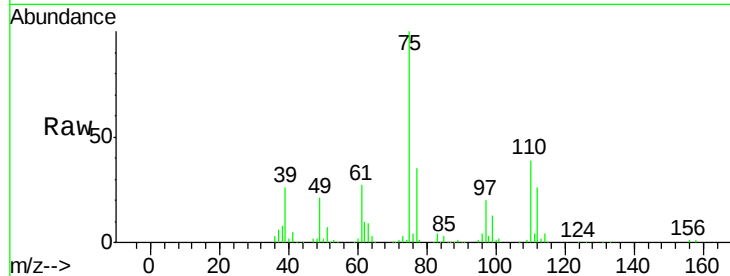
Tot Ion: 75 Resp: 237738

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

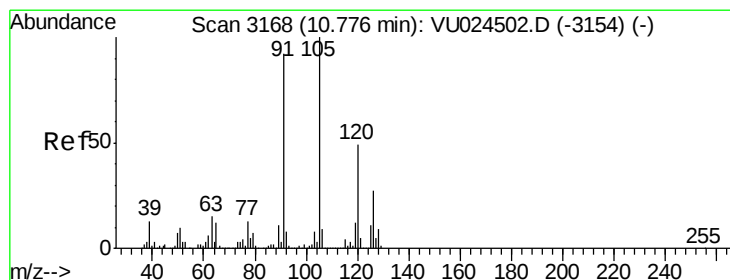
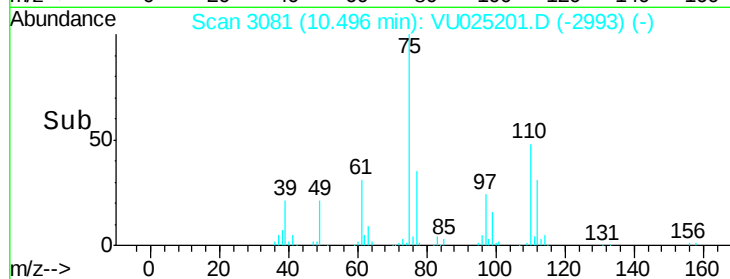
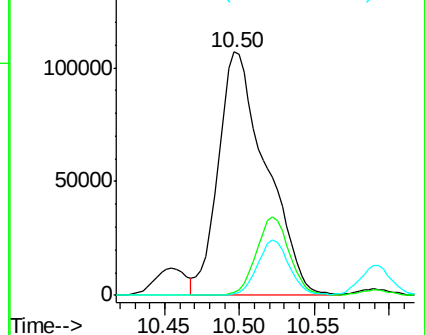
89 0.0 0.0 0.0



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



#82

4-Chlorotoluene

Concen: 53.198 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025201.D

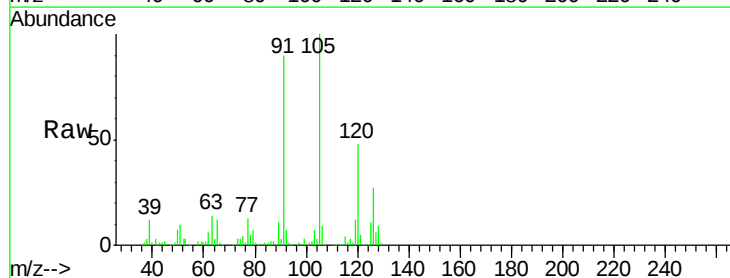
Acq: 03 Jul 2018 20:04

Tgt Ion: 91 Resp: 467506

Ion Ratio Lower Upper

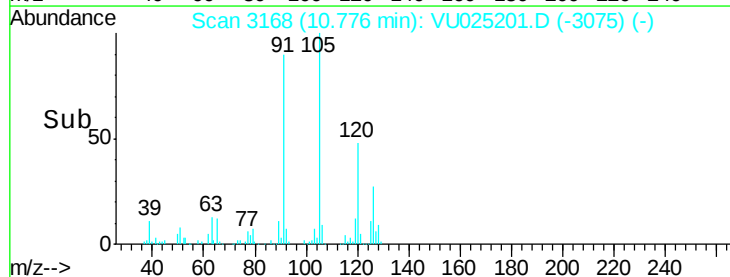
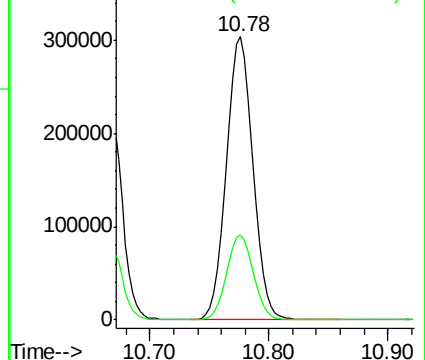
91 100

126 30.2 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

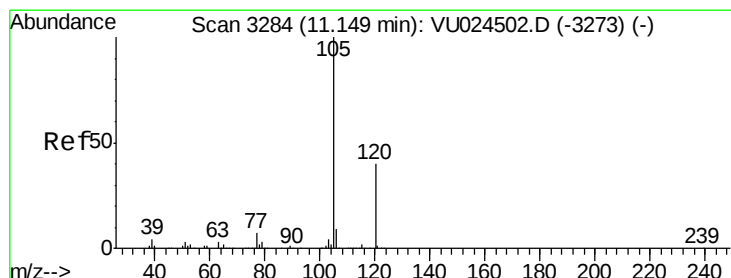
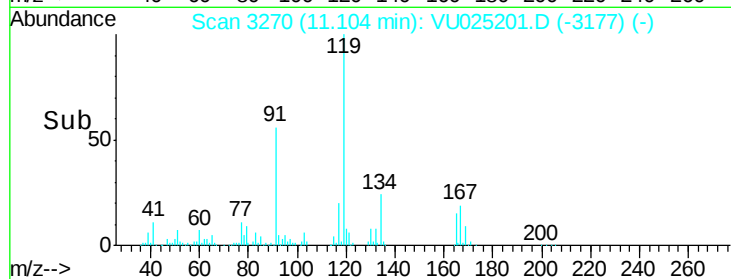
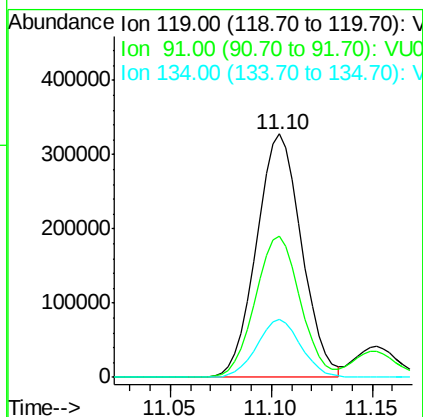
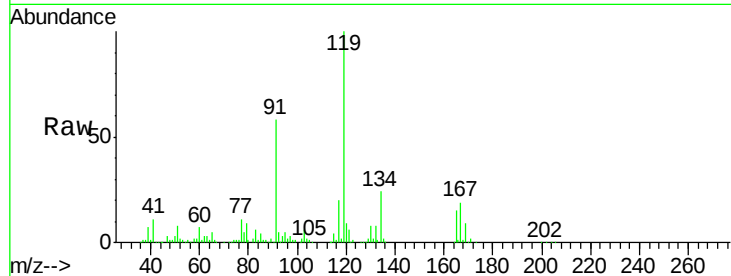




#83
 tert-Butylbenzene
 Concen: 56.455 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

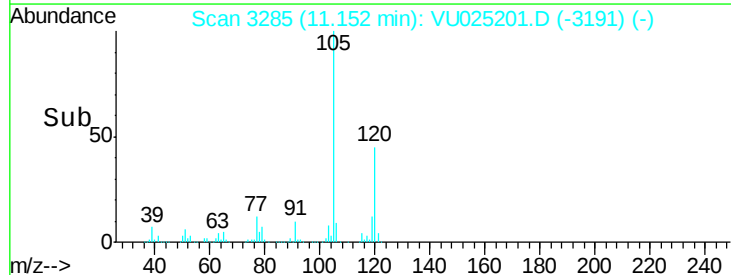
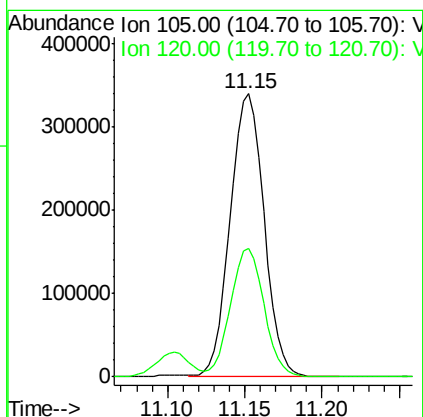
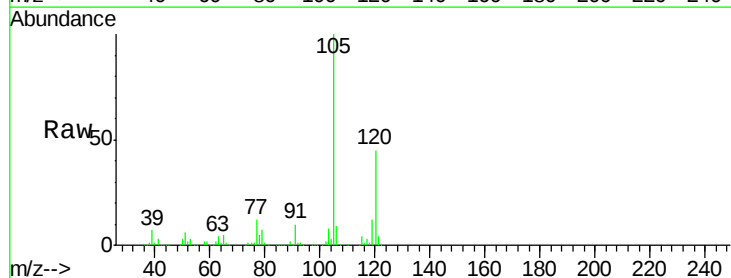
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion:119 Resp: 511590
 Ion Ratio Lower Upper
 119 100
 91 58.0 29.7 89.1
 134 23.2 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 53.838 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion:105 Resp: 516875
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.8





#85

sec-Butylbenzene

Concen: 52.987 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

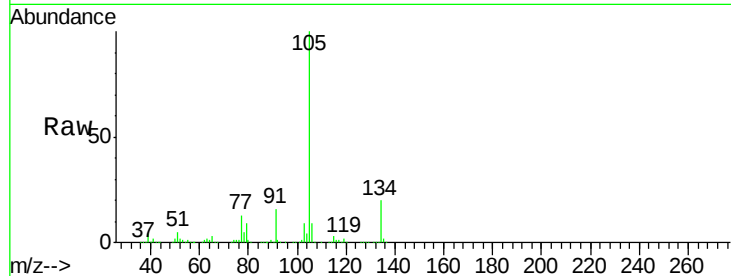
WP021MW011-180627MSD

Tot Ion:105 Resp: 601039

Ion Ratio Lower Upper

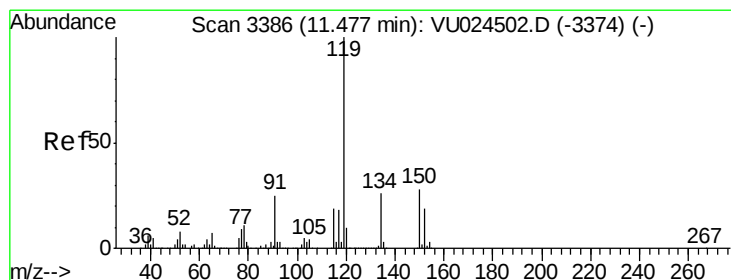
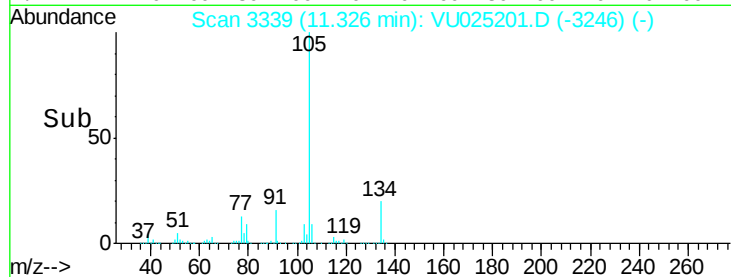
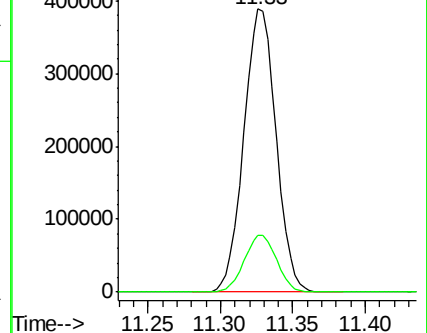
105 100

134 20.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.421 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

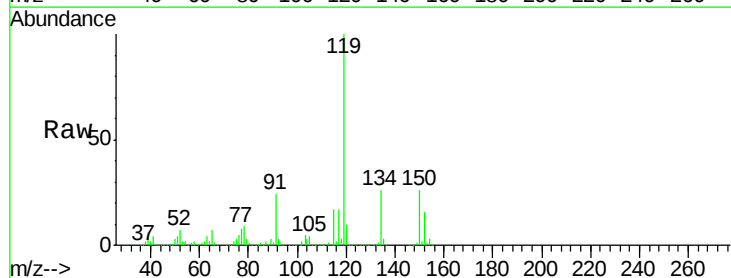
Tgt Ion:119 Resp: 532552

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

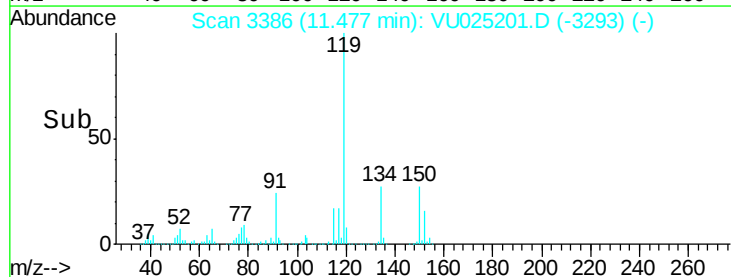
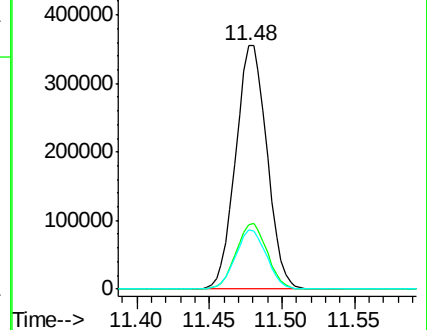
91 24.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

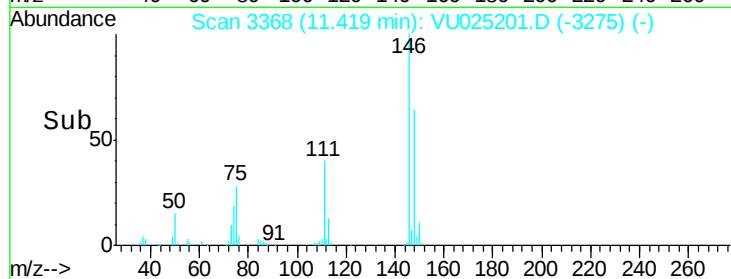
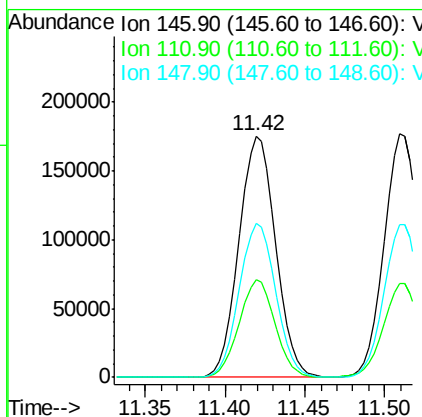
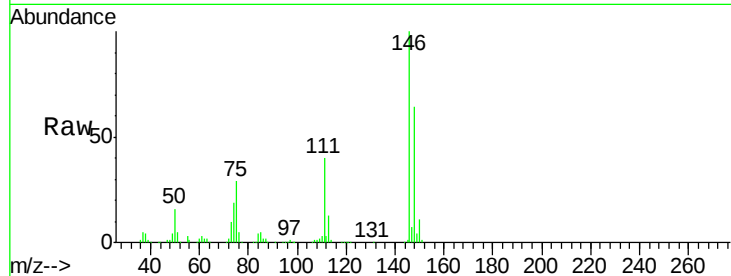




#87
 1,3-Dichlorobenzene
 Concen: 53.951 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

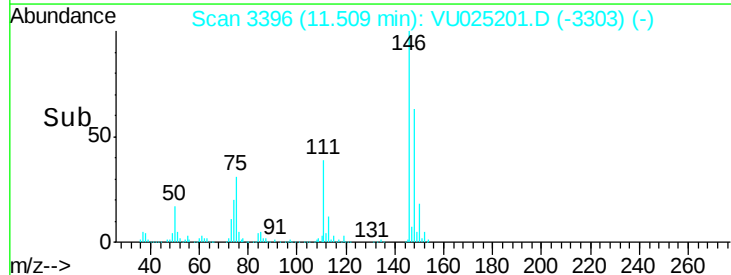
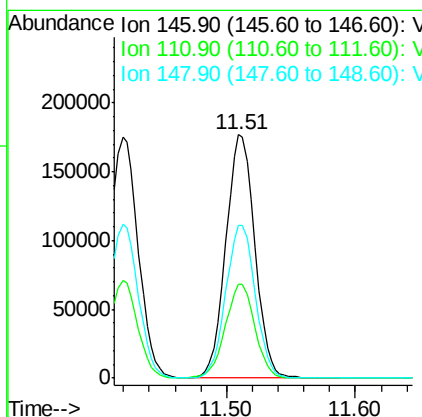
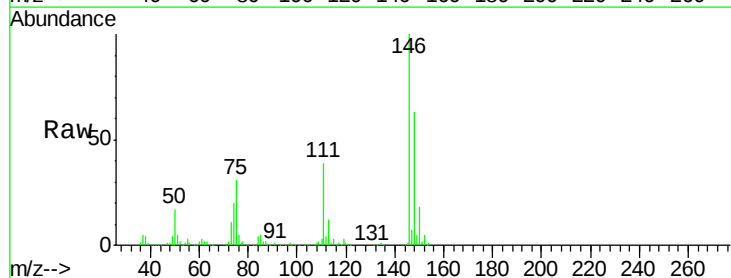
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion:146 Resp: 274271
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 60.0
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.834 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion:146 Resp: 275453
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.5 58.5
 148 64.1 32.4 97.0

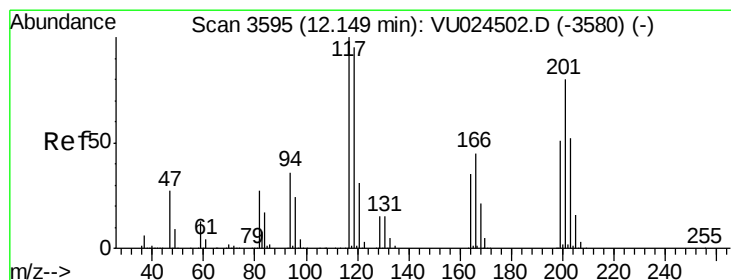
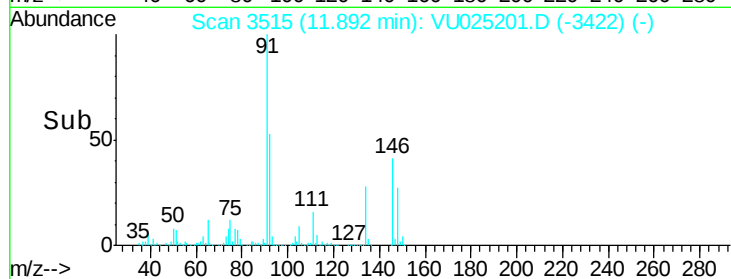
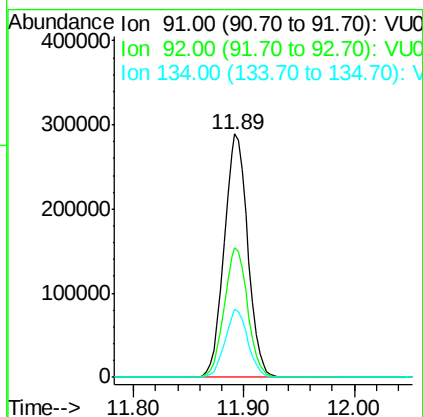
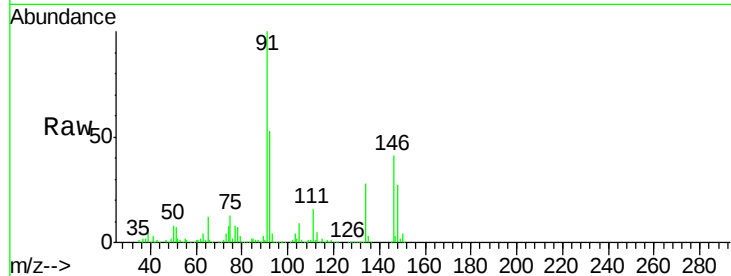




#89
n-Butylbenzene
Concen: 47.421 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

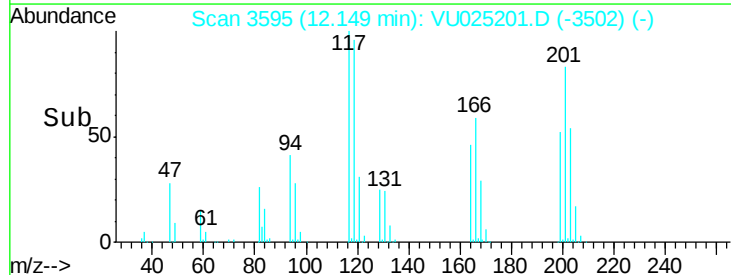
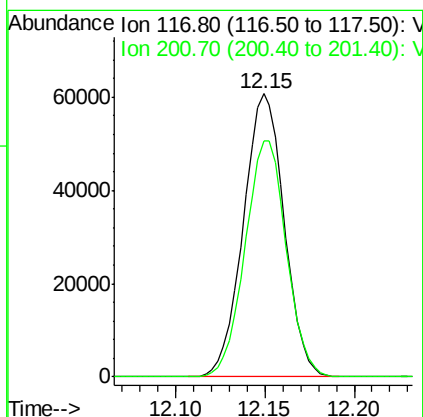
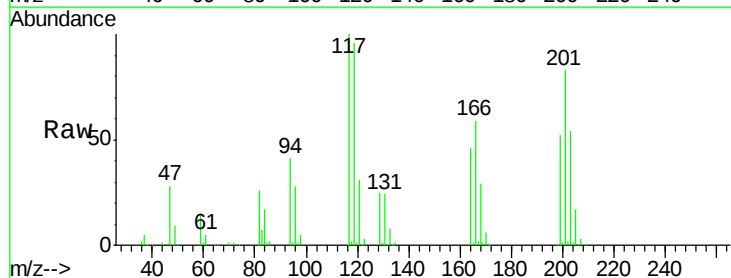
Instrument :
MSVOA_U
ClientSampleId :
WP021MW011-180627MSD

Tot Ion: 91 Resp: 427708
Ion Ratio Lower Upper
91 100
92 52.8 25.6 76.8
134 27.0 12.3 36.8



#90
Hexachloroethane
Concen: 48.881 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025201.D
Acq: 03 Jul 2018 20:04

Tgt Ion: 117 Resp: 96872
Ion Ratio Lower Upper
117 100
201 84.4 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 56.105 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

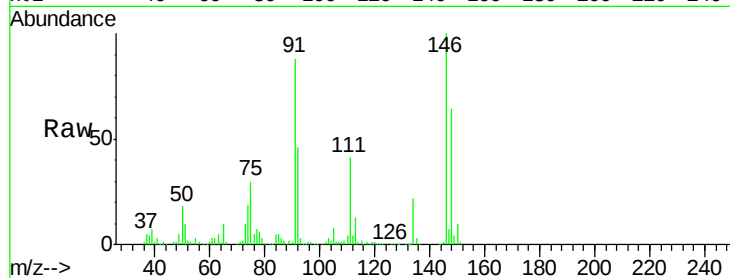
Tot Ion:146 Resp: 285684

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.6

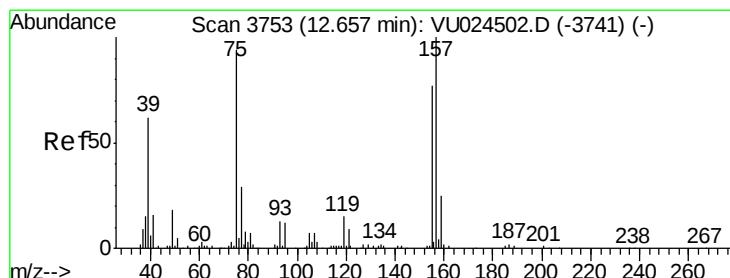
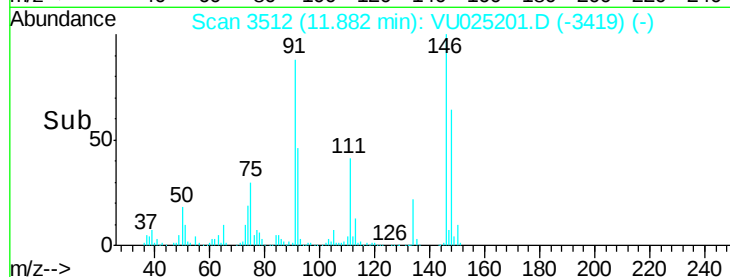
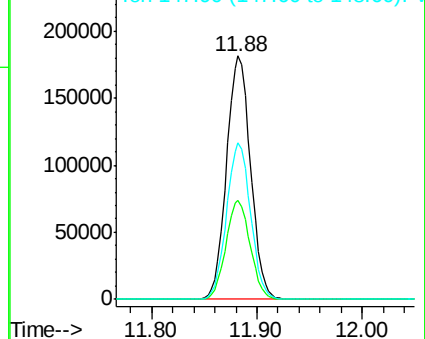
148 64.1 31.9 95.7



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: 54.046 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

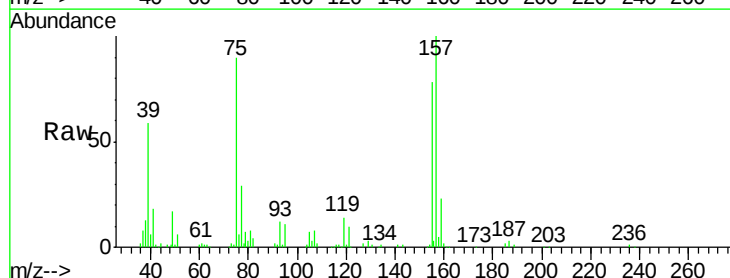
Tgt Ion: 75 Resp: 54316

Ion Ratio Lower Upper

75 100

155 86.1 40.4 121.2

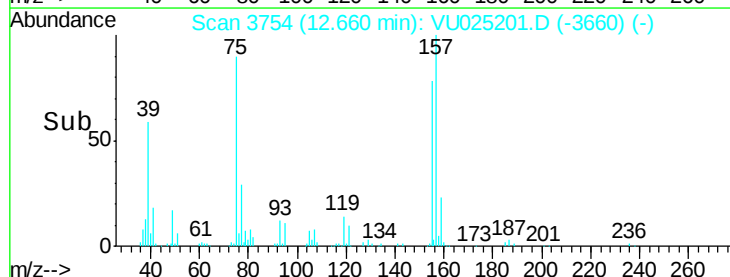
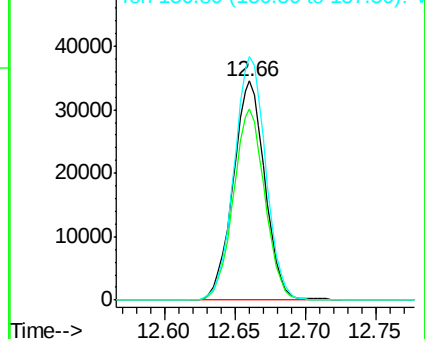
157 110.7 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

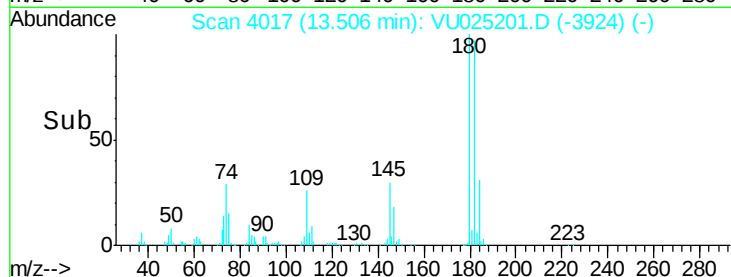
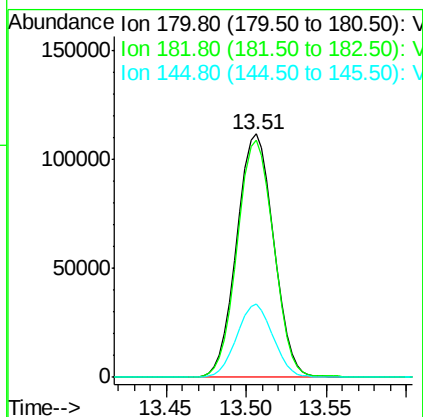
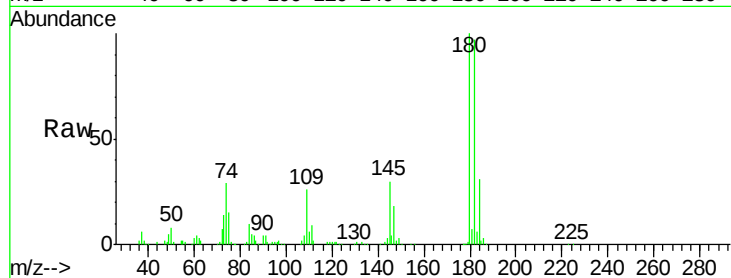




#93
 1,2,4-Trichlorobenzene
 Concen: 55.946 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

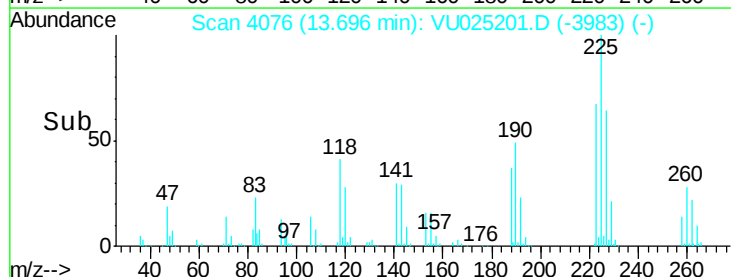
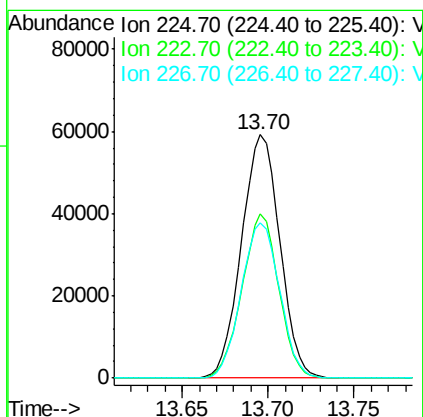
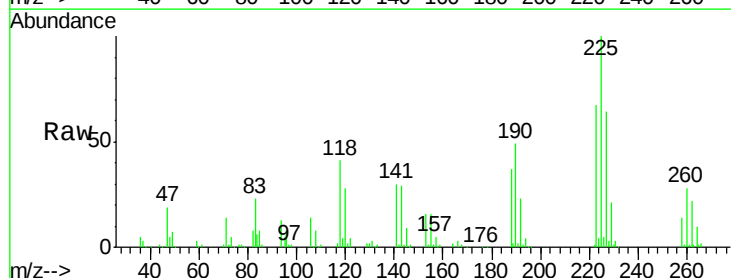
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW011-180627MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.0	144.2
145	29.6	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 51.810 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025201.D
 Acq: 03 Jul 2018 20:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.3	93.8
227	63.9	31.8	95.4





#95

Naphthalene

Concen: 59.316 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

Instrument :

MSVOA_U

ClientSampleId :

WP021MW011-180627MSD

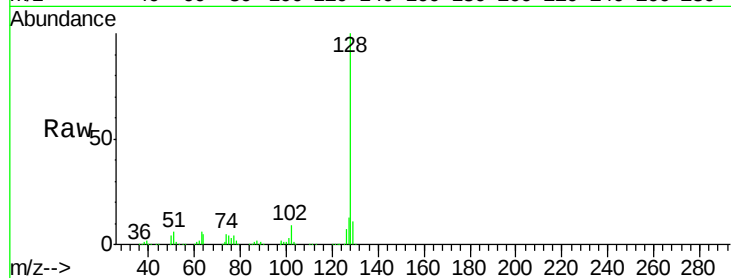
Tot Ion:128 Resp: 618782

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

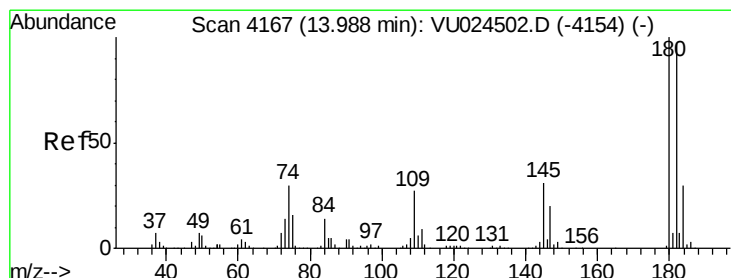
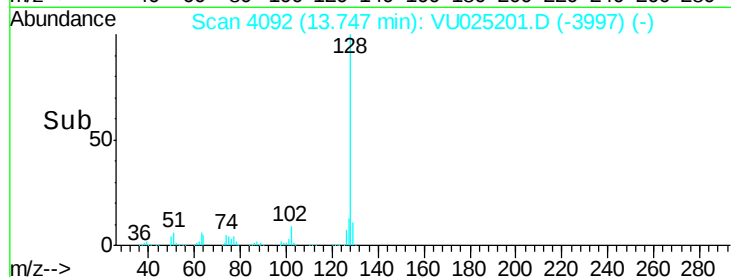
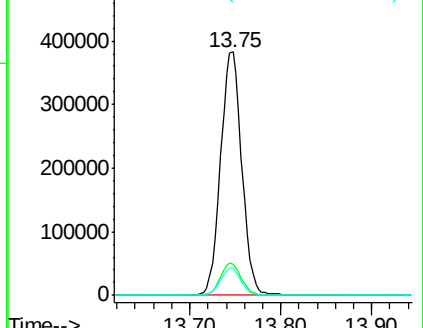
129 10.9 8.6 12.8



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: 61.036 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025201.D

Acq: 03 Jul 2018 20:04

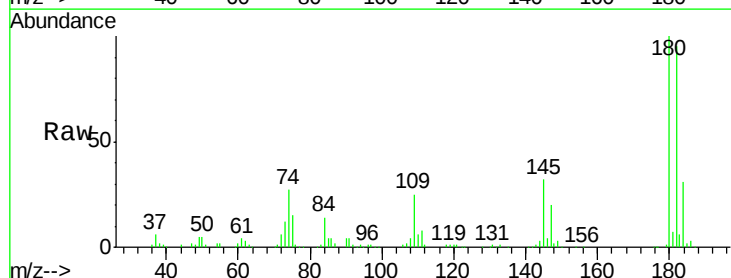
Tgt Ion:180 Resp: 191237

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 31.5 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

