

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025229.D
 Acq On : 05 Jul 2018 20:43
 Operator : MD/SY
 Sample : J3808-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Quant Time: Jul 06 05:19:20 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	165465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142723	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	116834	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	
35) Dibromofluoromethane	4.89	113	98534	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	7.57	98	300546	38.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.90%	
62) 4-Bromofluorobenzene	10.31	95	133814	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	68395	33.02	ug/l	99
3) Chloromethane	1.33	50	79152	37.41	ug/l	98
4) Vinyl Chloride	1.40	62	91975	42.15	ug/l	100
5) Bromomethane	1.62	94	50658	48.02	ug/l	99
6) Chloroethane	1.69	64	52962	43.29	ug/l	98
7) Trichlorofluoromethane	1.89	101	132361	39.75	ug/l	98
8) Diethyl Ether	2.10	74	51854	45.59	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	79483	38.47	ug/l	97
10) Methyl Iodide	2.41	142	86236	49.39	ug/l	98
11) Tert butyl alcohol	2.82	59	144475	219.91	ug/l	99
12) 1,1-Dichloroethene	2.28	96	74143	39.35	ug/l	96
13) Acrolein	2.19	56	94887	275.04	ug/l	98
14) Allyl chloride	2.59	41	126670	36.21	ug/l	97
15) Acrylonitrile	2.93	53	282573	221.07	ug/l	98
16) Acetone	2.32	43	274333	189.02	ug/l	98
17) Carbon Disulfide	2.48	76	201978	33.48	ug/l	99
18) Methyl Acetate	2.62	43	166456	53.50	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	306858	43.33	ug/l	96
20) Methylene Chloride	2.70	84	90607	39.79	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	83756	40.36	ug/l	93
22) Diisopropyl ether	3.57	45	291435	42.03	ug/l	98
23) Vinyl Acetate	3.53	43	1179410	189.86	ug/l	99
24) 1,1-Dichloroethane	3.45	63	166736	41.80	ug/l	99
25) 2-Butanone	4.26	43	420456	215.67	ug/l	97
26) 2,2-Dichloropropane	4.23	77	108448	28.63	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	131424	55.09	ug/l	93
28) Bromochloromethane	4.55	49	83685	47.63	ug/l	# 83
29) Tetrahydrofuran	4.64	42	264268	218.90	ug/l	96
30) Chloroform	4.68	83	177498	43.96	ug/l	98
31) Cyclohexane	5.00	56	141569	39.55	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	155879	41.75	ug/l	95
36) 1,1-Dichloropropene	5.14	75	124887	41.17	ug/l	99
37) Ethyl Acetate	4.38	43	143118	43.28	ug/l	98
38) Carbon Tetrachloride	5.14	117	139599	41.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	146133	38.60	ug/l	96
40) Benzene	5.39	78	411270	47.57	ug/l	98
41) Methacrylonitrile	4.55	41	84436	47.36	ug/l	99
42) 1,2-Dichloroethane	5.41	62	148199	45.01	ug/l	100
43) Isopropyl Acetate	5.55	43	229985	40.24	ug/l	98
44) Trichloroethene	6.19	130	117821	47.89	ug/l	93
45) 1,2-Dichloropropane	6.44	63	97100	42.10	ug/l	98
46) Dibromomethane	6.56	93	71822	44.33	ug/l	95
47) Bromodichloromethane	6.76	83	133114	41.26	ug/l	96
48) Methyl methacrylate	6.62	41	123055	44.21	ug/l	98
49) 1,4-Dioxane	6.61	88	55483	1019.37	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	792272	220.63	ug/l	99
52) Toluene	7.64	92	233797	42.04	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	137952	38.08	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	144098	37.32	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	99391	43.96	ug/l	97
56) Ethyl methacrylate	8.02	69	155109	40.99	ug/l	100
57) 1,3-Dichloropropane	8.25	76	164595	43.16	ug/l	99
59) 2-Hexanone	8.36	43	631904	215.55	ug/l	99
60) Dibromochloromethane	8.48	129	110459	39.18	ug/l	99
61) 1,2-Dibromoethane	8.59	107	107430	42.69	ug/l	99
64) Tetrachloroethene	8.23	164	83956	36.33	ug/l	97
65) Chlorobenzene	9.12	112	474643	76.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	102062	43.25	ug/l	97
67) Ethyl Benzene	9.25	91	458551	42.11	ug/l	99
68) m/p-Xylenes	9.38	106	350846	83.91	ug/l	97
69) o-Xylene	9.78	106	177991	43.01	ug/l	94
70) Styrene	9.80	104	281662	41.42	ug/l	99
71) Bromoform	9.96	173	85494	38.12	ug/l #	100
73) Isopropylbenzene	10.17	105	473782	43.24	ug/l	100
74) N-amyl acetate	10.01	43	201085	38.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	165064	44.95	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	189429	60.28	ug/l	81
77) Bromobenzene	10.46	156	120253	43.35	ug/l	93
78) n-propylbenzene	10.59	91	529333	41.01	ug/l	97
79) 2-Chlorotoluene	10.66	91	325121	42.71	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	404893	42.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	189429	139.52	ug/l #	100
82) 4-Chlorotoluene	10.78	91	367817	41.52	ug/l	100
83) tert-Butylbenzene	11.10	119	423038	46.30	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	409298	42.29	ug/l	100
85) sec-Butylbenzene	11.33	105	515401	45.07	ug/l	92
86) p-Isopropyltoluene	11.48	119	422802	41.28	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	224619	43.83	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	229460	44.48	ug/l	100
89) n-Butylbenzene	11.89	91	341205	37.52	ug/l	97
90) Hexachloroethane	12.15	117	76512	38.29	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	288939	56.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	43372	42.81	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	139532	44.02	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

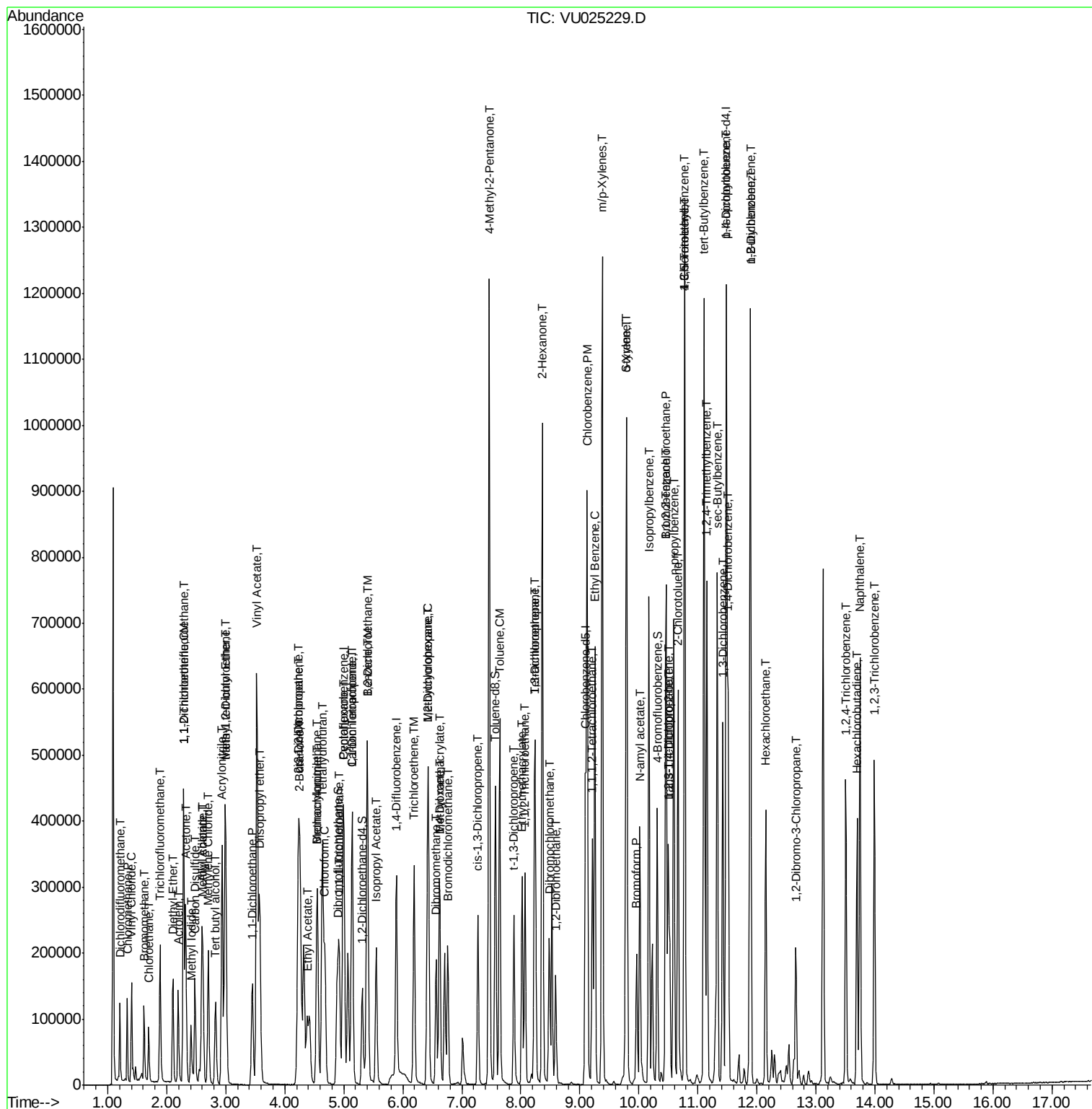
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	75199	42.15	ug/l	99
95) Naphthalene	13.74	128	505026	48.15	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	152260	48.20	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

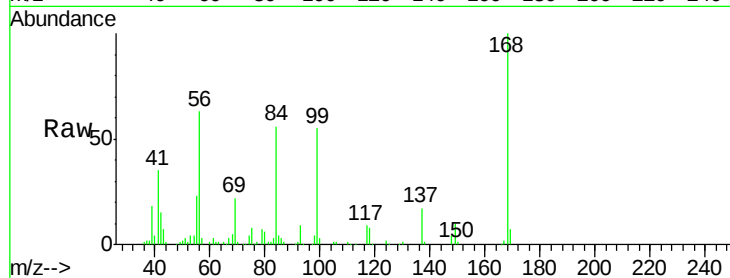
WP021MW470-180628MSD

Tot Ion:168 Resp: 165465

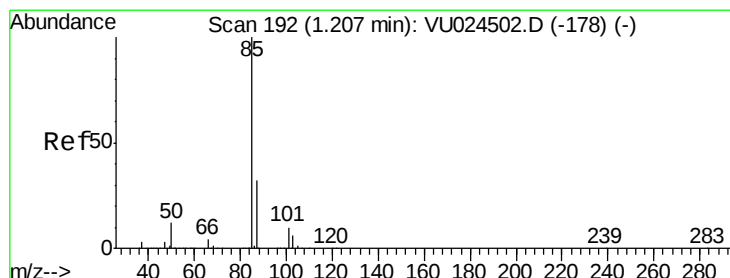
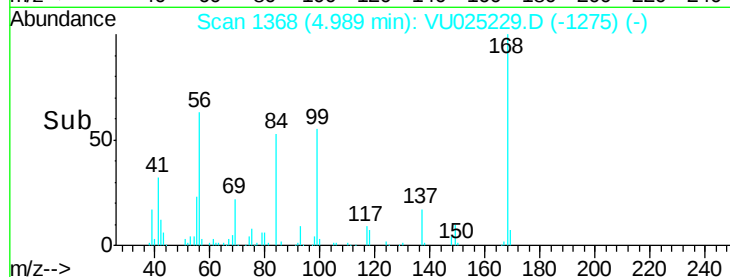
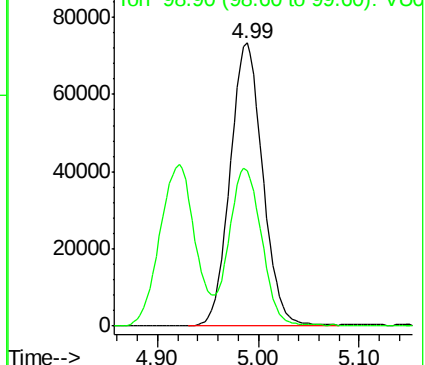
Ion Ratio Lower Upper

168 100

99 54.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 33.02 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025229.D

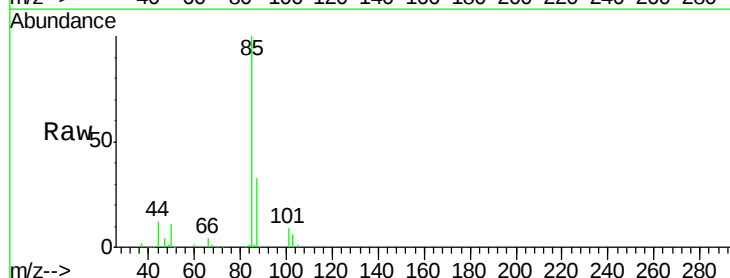
Acq: 05 Jul 2018 20:43

Tgt Ion: 85 Resp: 68395

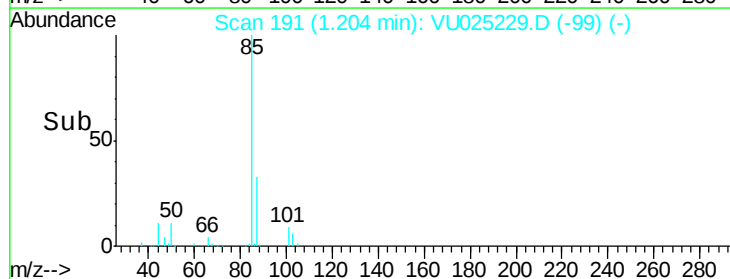
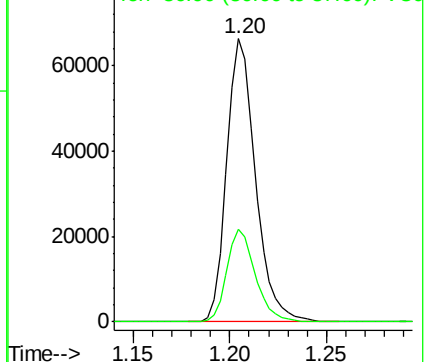
Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 37.41 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

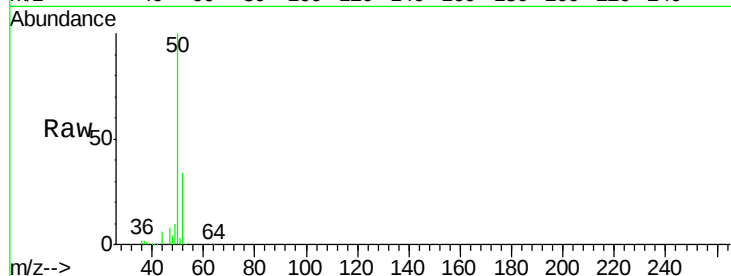
WP021MW470-180628MSD

Tot Ion: 50 Resp: 79152

Ion Ratio Lower Upper

50 100

52 34.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

80000

60000

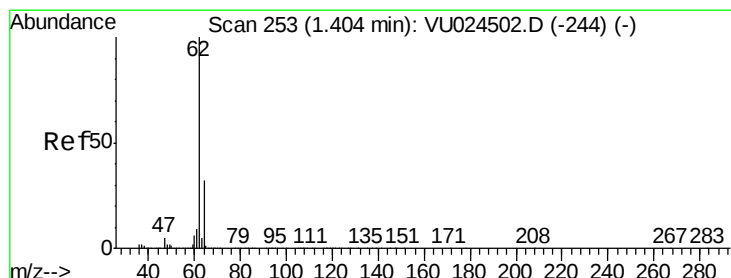
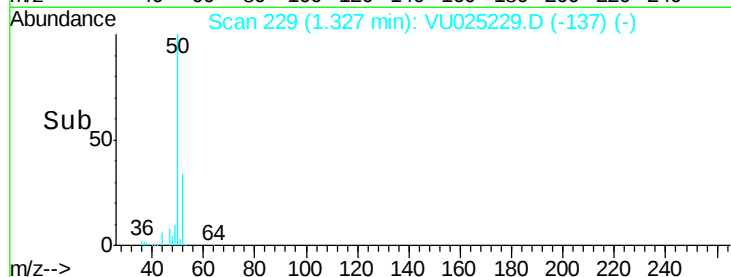
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 42.15 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025229.D

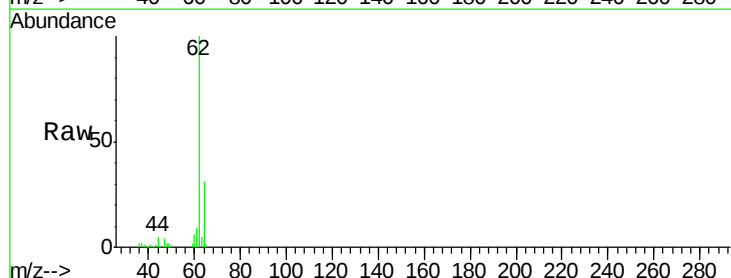
Acq: 05 Jul 2018 20:43

Tgt Ion: 62 Resp: 91975

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

60000

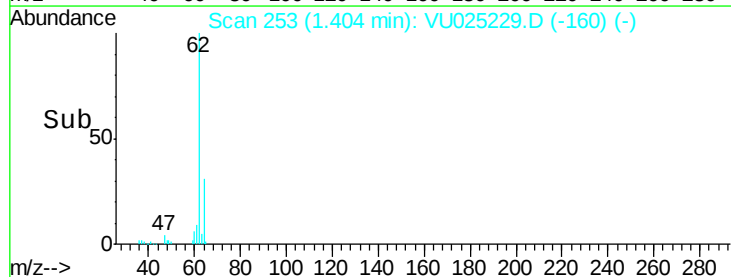
40000

20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 48.02 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

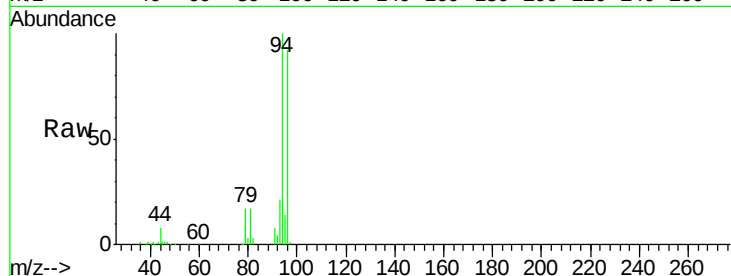
WP021MW470-180628MSD

Tot Ion: 94 Resp: 50658

Ion Ratio Lower Upper

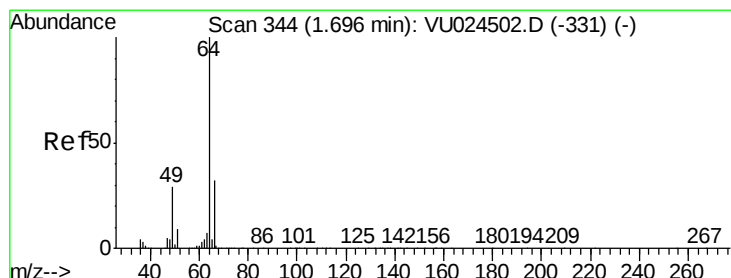
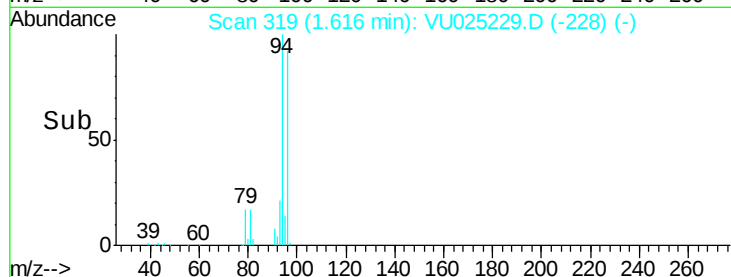
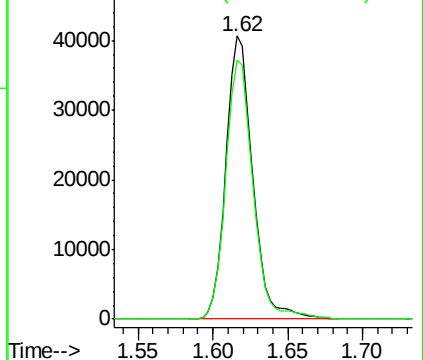
94 100

96 91.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 43.29 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025229.D

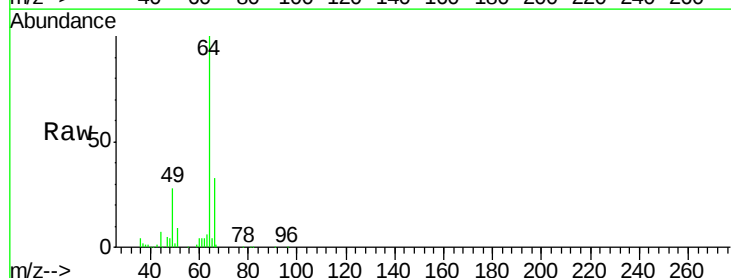
Acq: 05 Jul 2018 20:43

Tgt Ion: 64 Resp: 52962

Ion Ratio Lower Upper

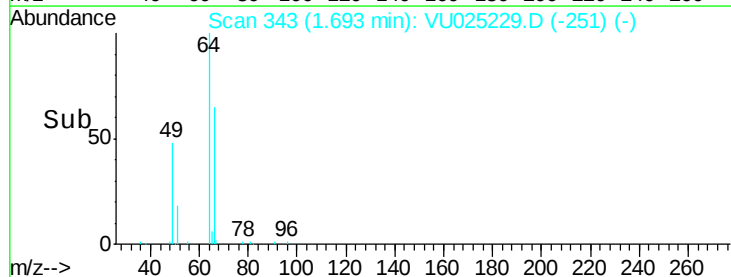
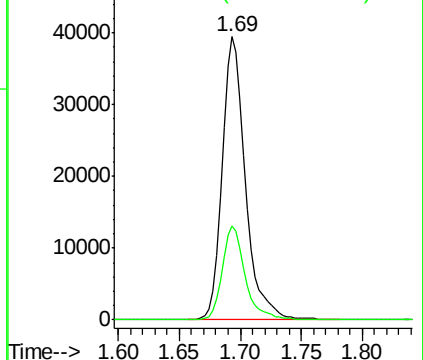
64 100

66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



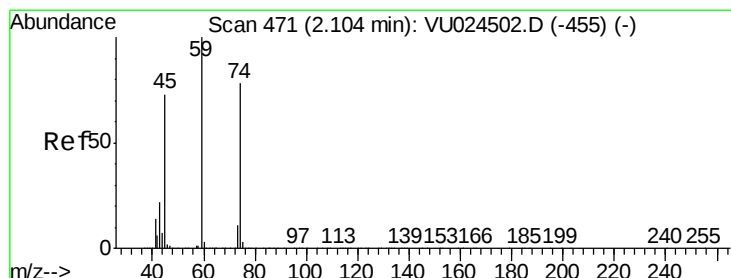
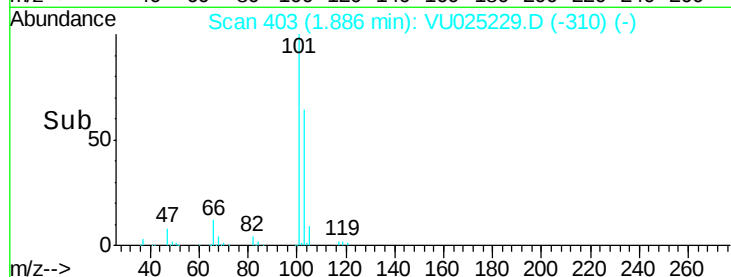
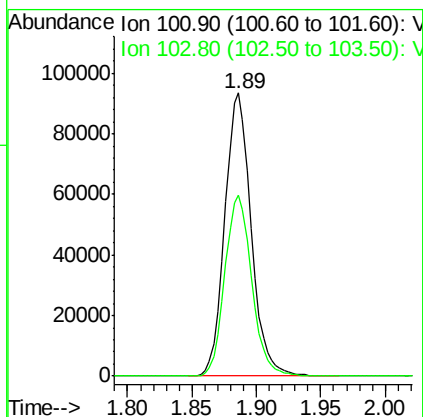
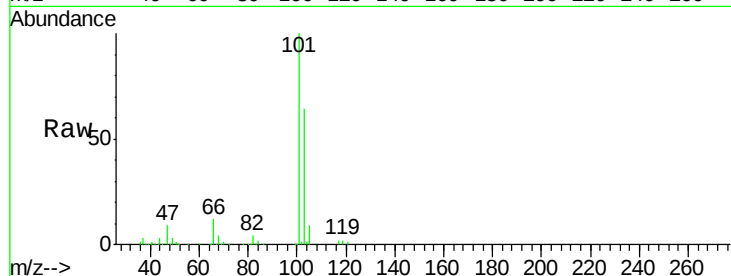


#7

Trichlorofluoromethane
 Concen: 39.75 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Instrument :
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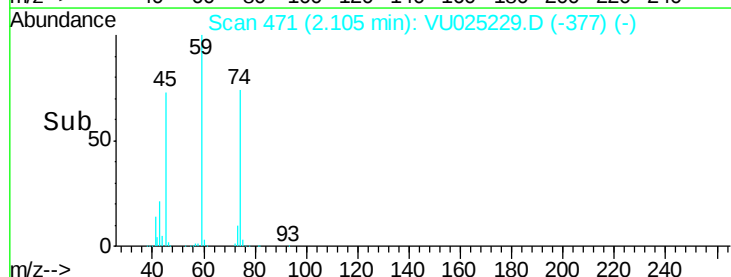
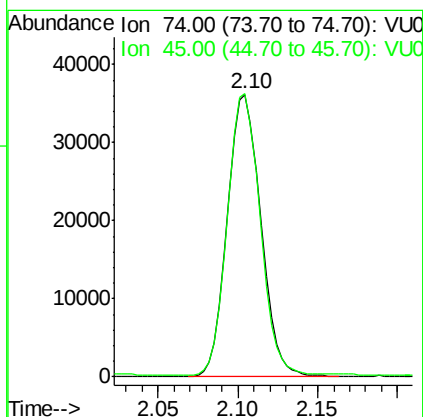
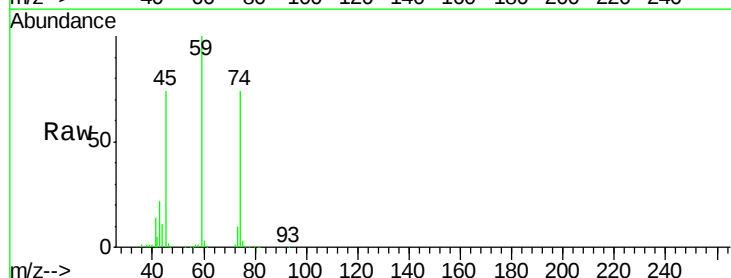
Tot Ion:101 Resp: 132361
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.3 78.5



#8

Diethyl Ether
 Concen: 45.59 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion: 74 Resp: 51854
 Ion Ratio Lower Upper
 74 100
 45 97.5 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.47 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

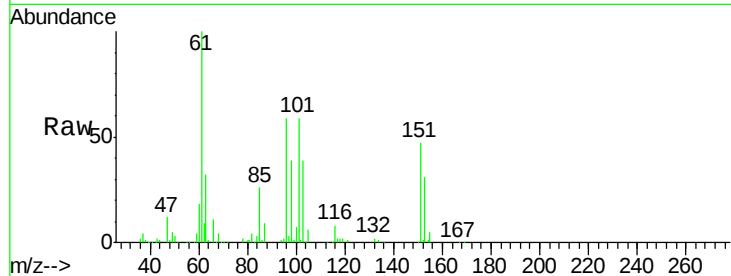
Tot Ion:101 Resp: 79483

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

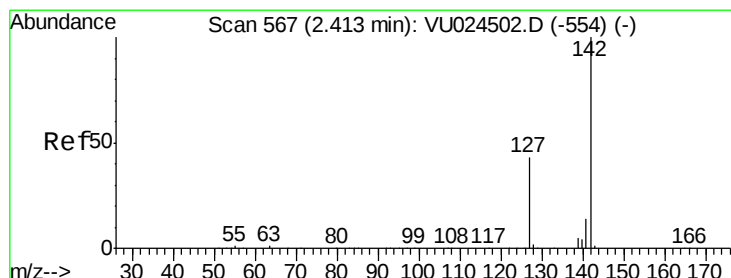
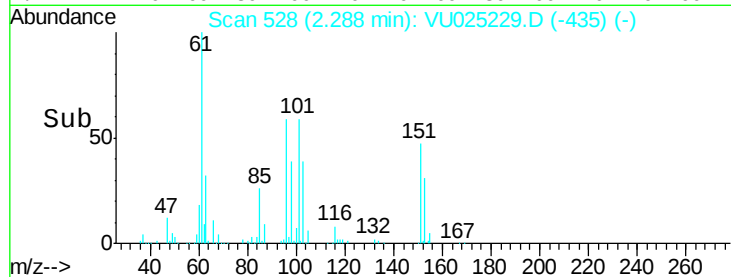
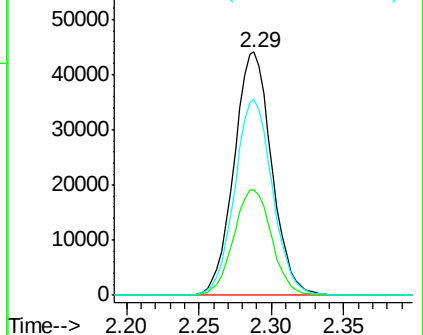
151 81.2 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.39 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

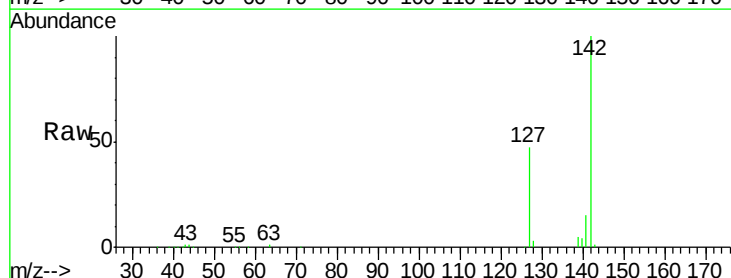
Tgt Ion:142 Resp: 86236

Ion Ratio Lower Upper

142 100

127 46.2 35.6 53.4

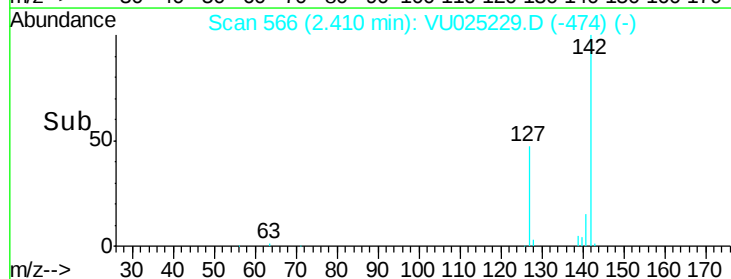
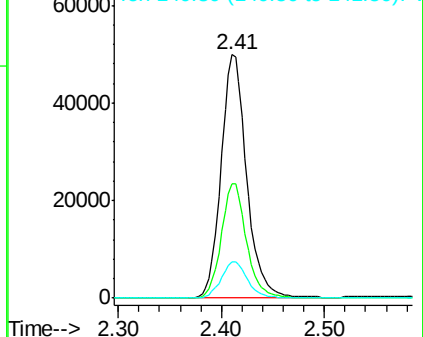
141 15.2 11.7 17.5

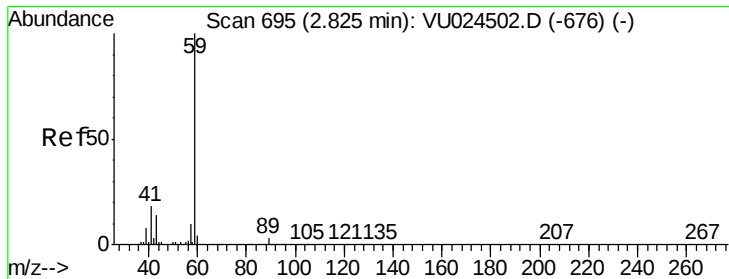


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



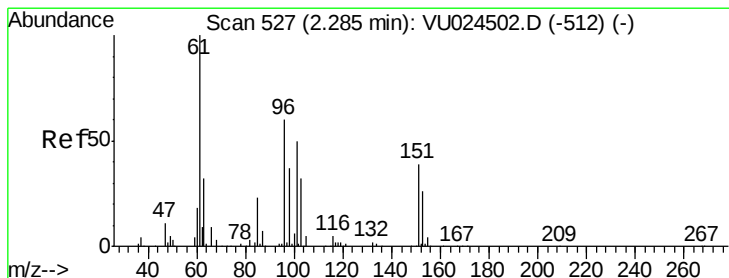
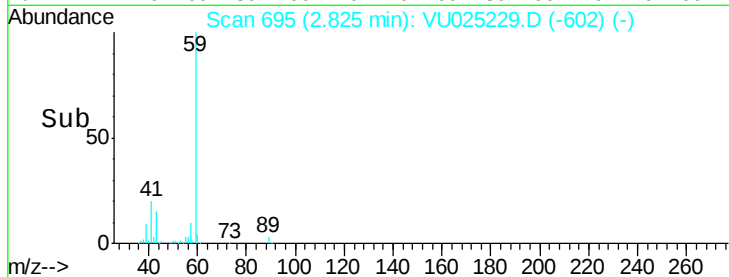
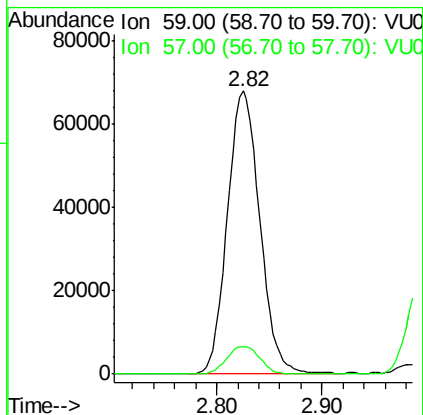
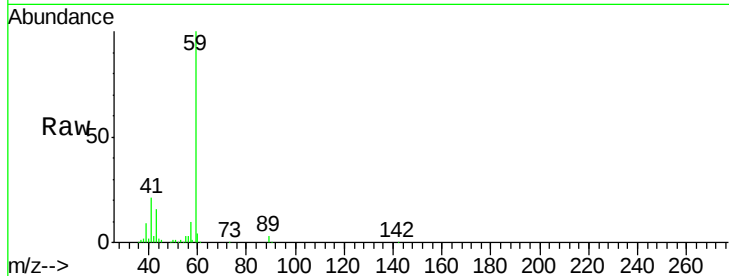


#11

Tert butyl alcohol
 Concen: 219.91 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

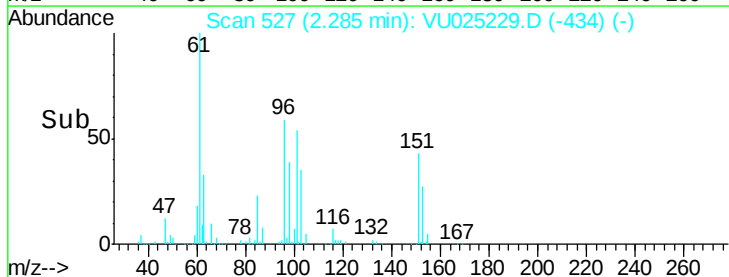
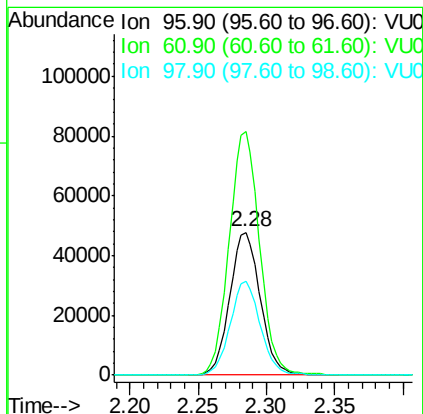
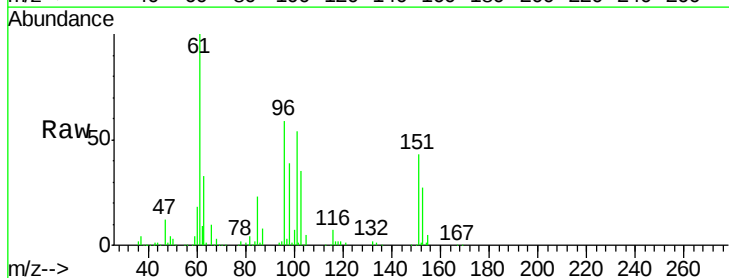
Tot Ion: 59 Resp: 144475
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

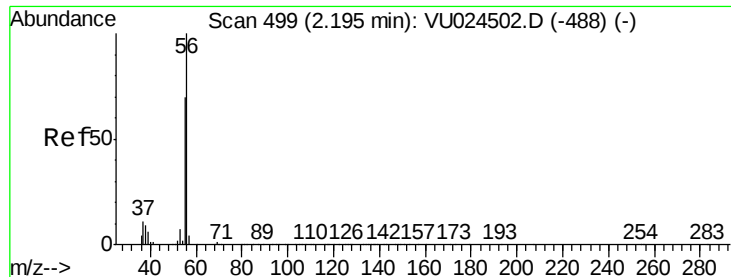


#12

1,1-Dichloroethene
 Concen: 39.35 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion: 96 Resp: 74143
 Ion Ratio Lower Upper
 96 100
 61 170.8 141.7 212.5
 98 65.8 51.6 77.4





#13

Acrolein

Concen: 275.04 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

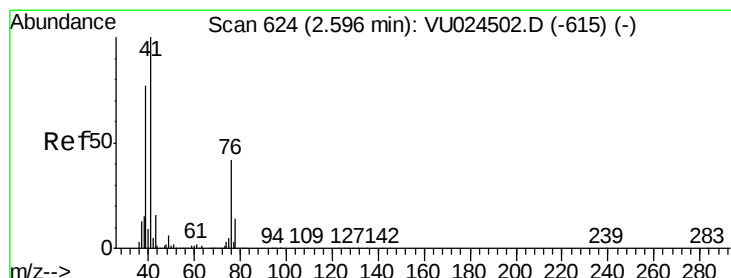
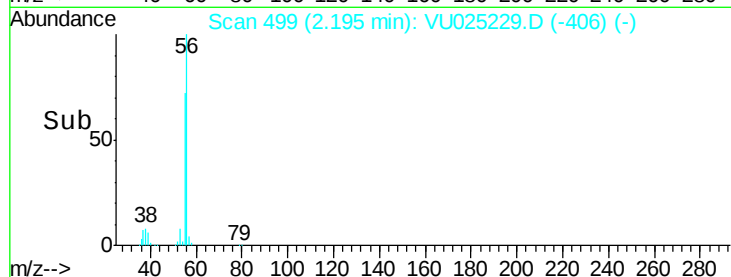
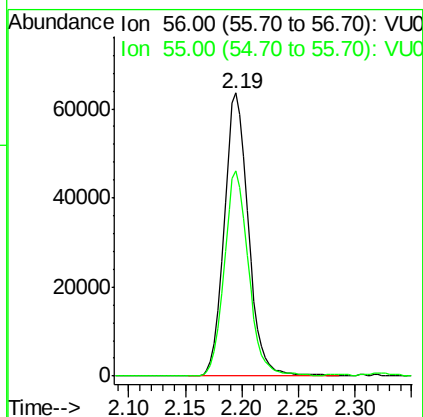
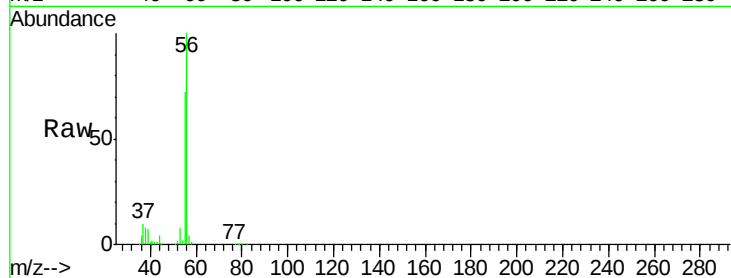
WP021MW470-180628MSD

Tot Ion: 56 Resp: 94887

Ion Ratio Lower Upper

56 100

55 71.7 58.4 87.6



#14

Allyl chloride

Concen: 36.21 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

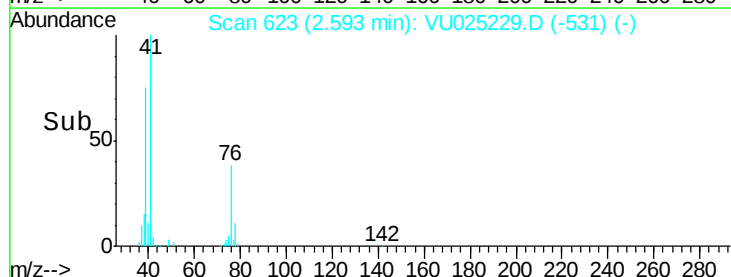
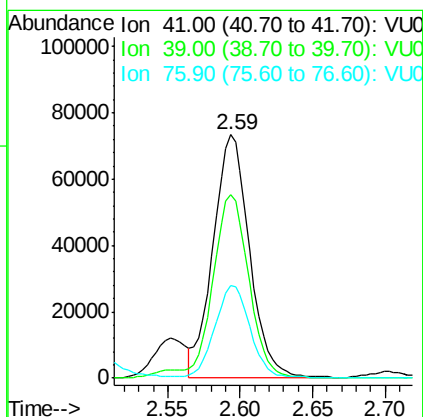
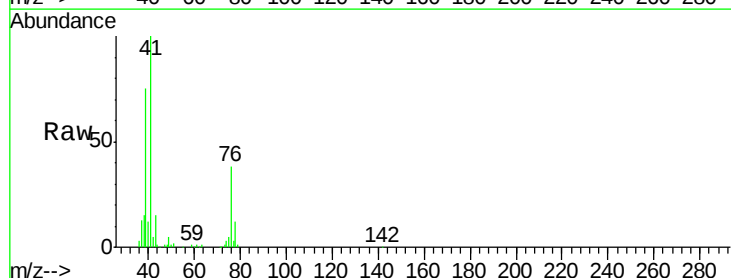
Tgt Ion: 41 Resp: 126670

Ion Ratio Lower Upper

41 100

39 73.7 61.6 92.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 221.07 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

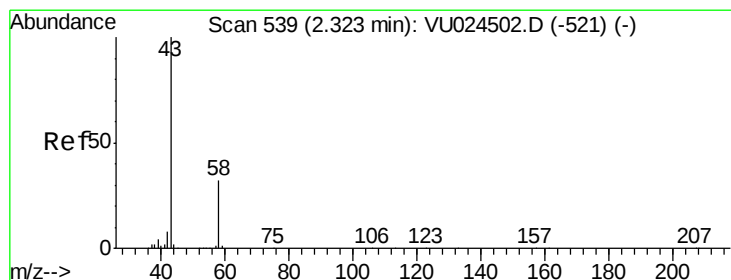
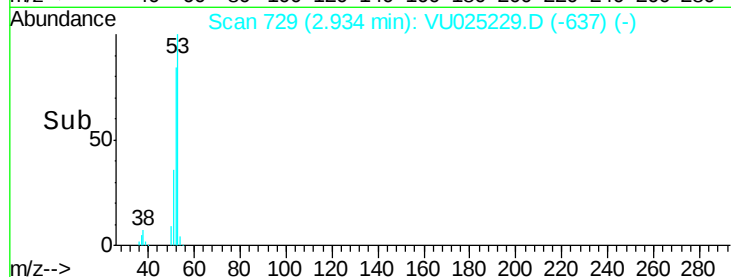
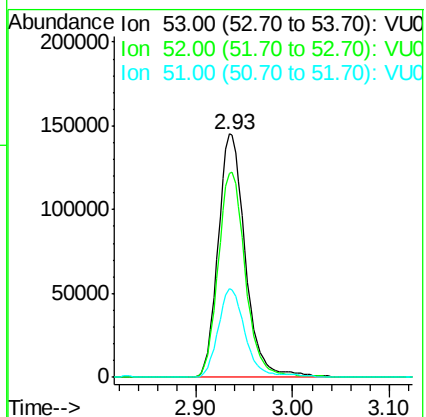
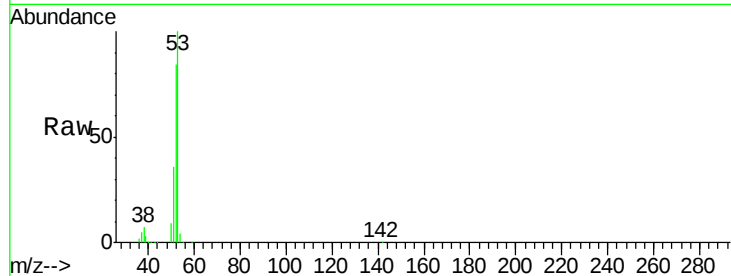
Tot Ion: 53 Resp: 282573

Ion Ratio Lower Upper

53 100

52 85.1 67.1 100.7

51 37.2 28.4 42.6



#16

Acetone

Concen: 189.02 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025229.D

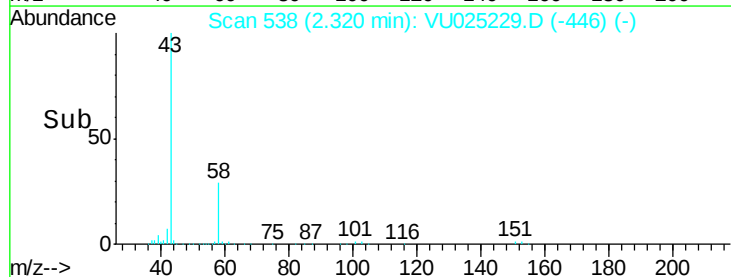
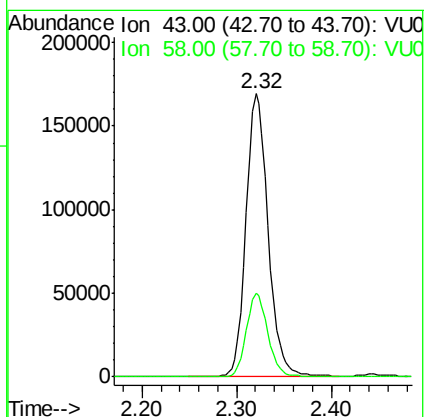
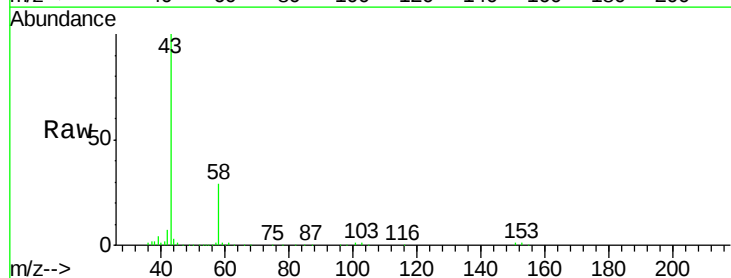
Acq: 05 Jul 2018 20:43

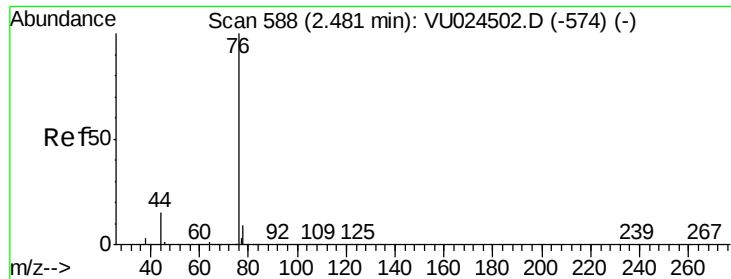
Tgt Ion: 43 Resp: 274333

Ion Ratio Lower Upper

43 100

58 29.3 24.4 36.6





#17

Carbon Disulfide

Concen: 33.48 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

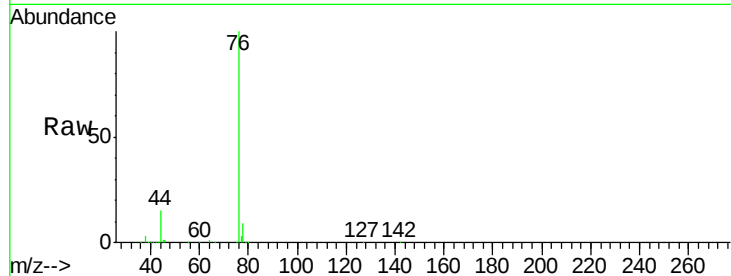
WP021MW470-180628MSD

Tot Ion: 76 Resp: 201978

Ion Ratio Lower Upper

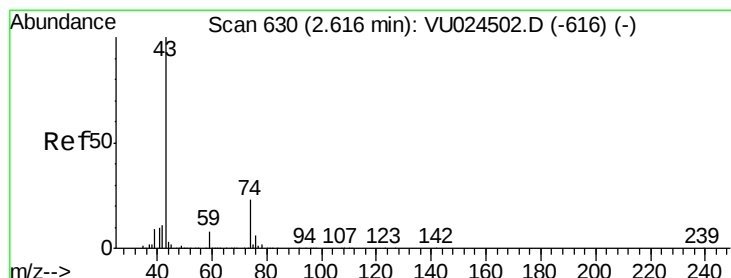
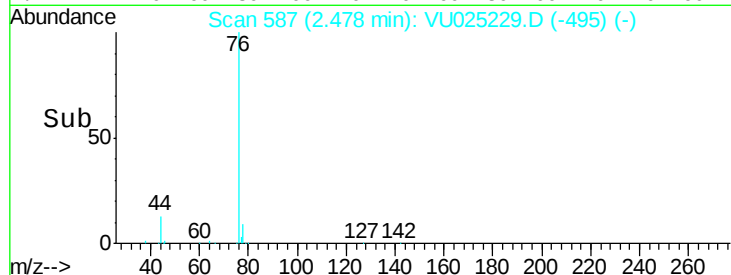
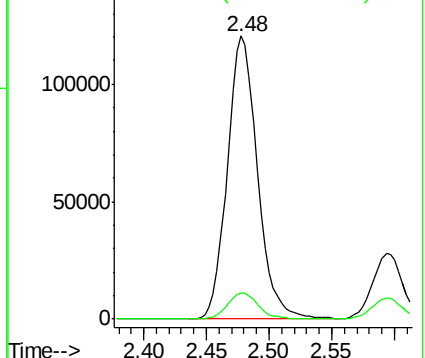
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 53.50 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025229.D

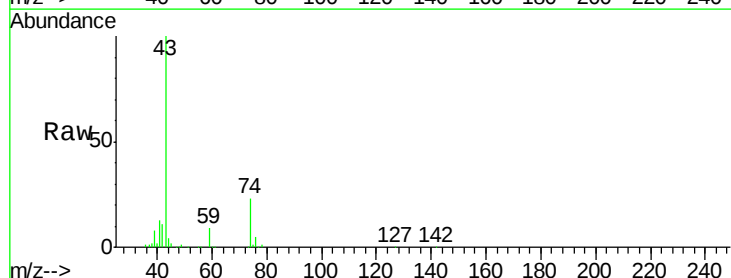
Acq: 05 Jul 2018 20:43

Tgt Ion: 43 Resp: 166456

Ion Ratio Lower Upper

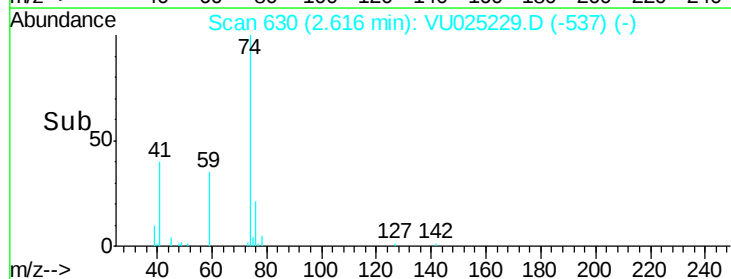
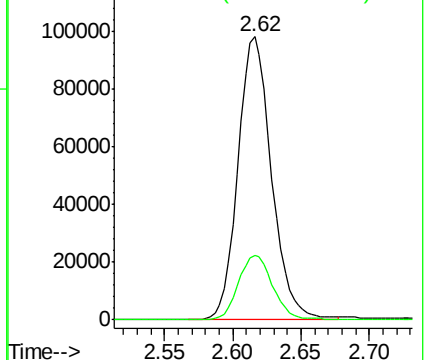
43 100

74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

Methyl tert-butyl Ether

Concen: 43.33 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

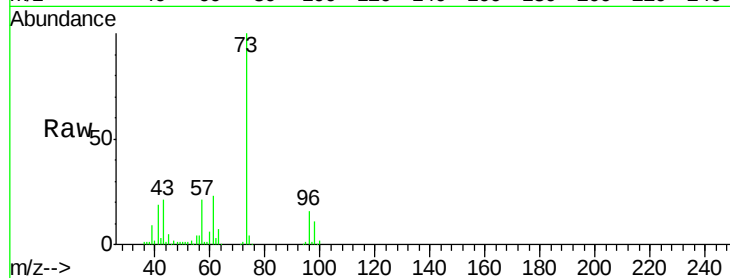
WP021MW470-180628MSD

Tot Ion: 73 Resp: 306858

Ion Ratio Lower Upper

73 100

57 21.3 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

Ion 57.00 (56.70 to 57.70): VU024502.D (-723) (-)

3.00

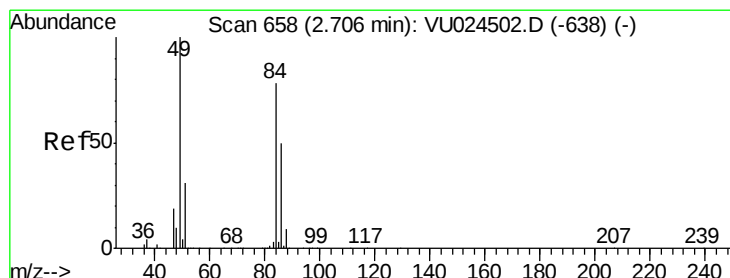
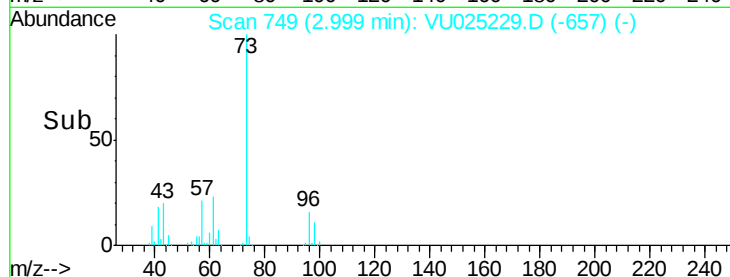
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 39.79 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Tgt Ion: 84 Resp: 90607

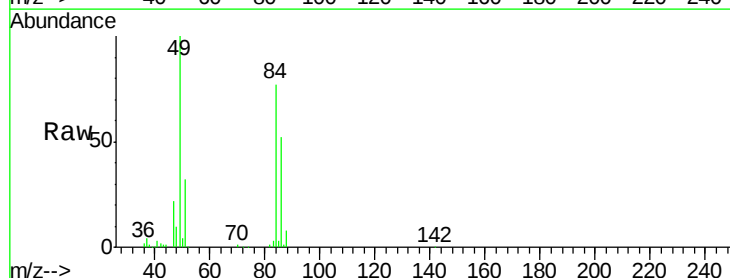
Ion Ratio Lower Upper

84 100

49 129.1 103.8 155.8

51 40.7 32.0 48.0

86 66.9 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

Ion 48.90 (48.60 to 49.60): VU024502.D (-638) (-)

Ion 50.90 (50.60 to 51.60): VU024502.D (-638) (-)

Ion 85.90 (85.60 to 86.60): VU024502.D (-638) (-)

2.70

80000

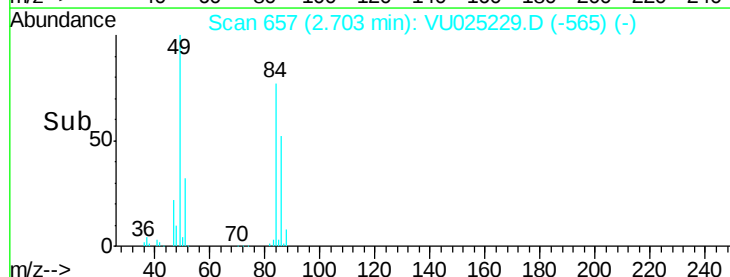
60000

40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 40.36 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

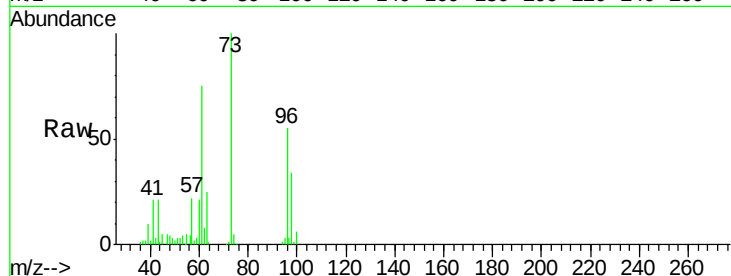
Tot Ion: 96 Resp: 83756

Ion Ratio Lower Upper

96 100

61 137.6 119.4 179.0

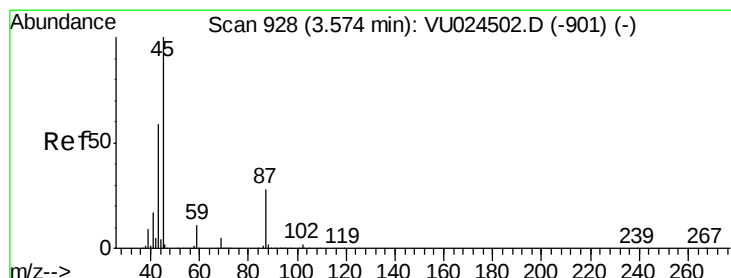
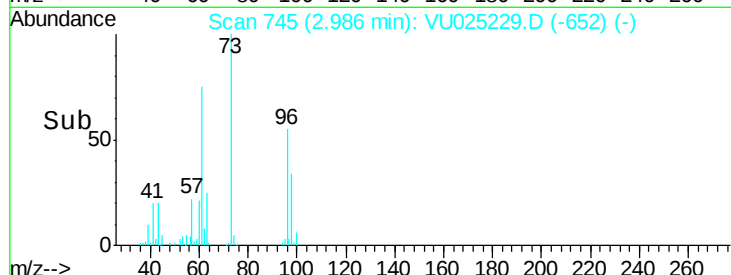
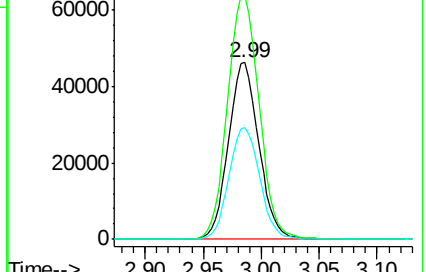
98 63.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-729) (-)



#22

Diisopropyl ether

Concen: 42.03 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Tgt Ion: 45 Resp: 291435

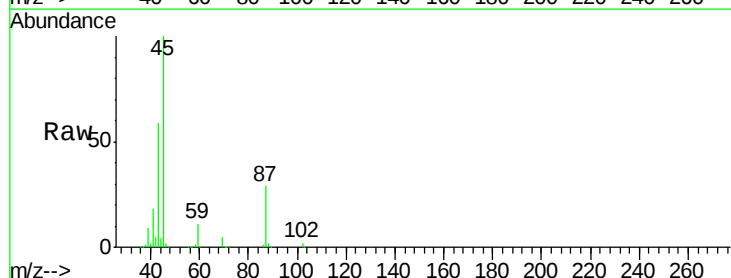
Ion Ratio Lower Upper

45 100

43 58.0 45.8 68.6

87 28.9 20.6 31.0

59 11.4 9.4 14.0

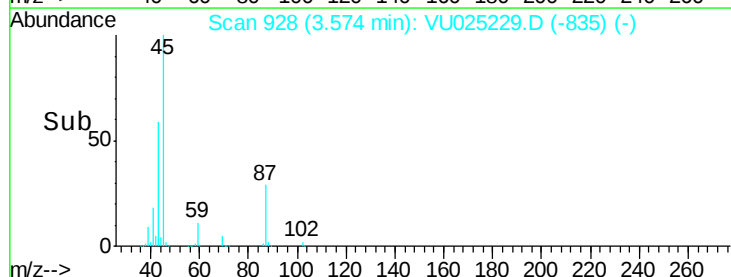
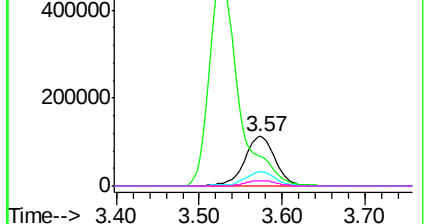


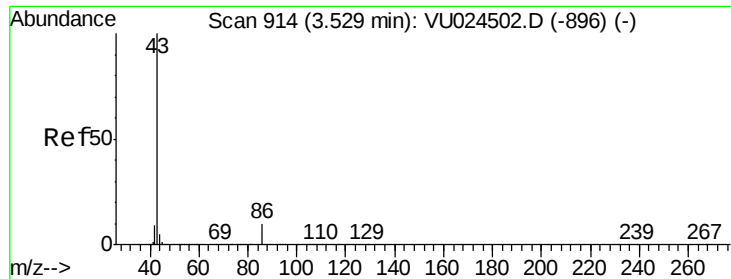
Abundance Ion 45.00 (44.70 to 45.70): VU024502.D (-901) (-)

Ion 43.00 (42.70 to 43.70): VU024502.D (-901) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-901) (-)

Ion 59.00 (58.70 to 59.70): VU024502.D (-901) (-)





#23

Vinyl Acetate

Concen: 189.86 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

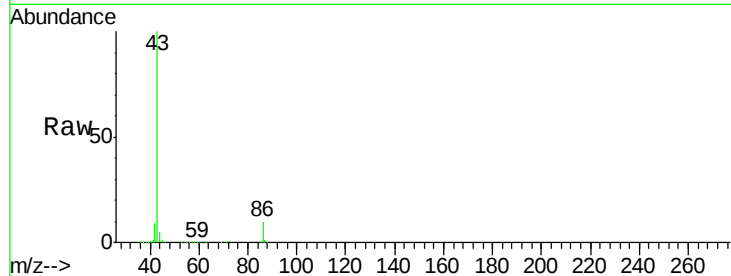
WP021MW470-180628MSD

Tot Ion: 43 Resp: 1179410

Ion Ratio Lower Upper

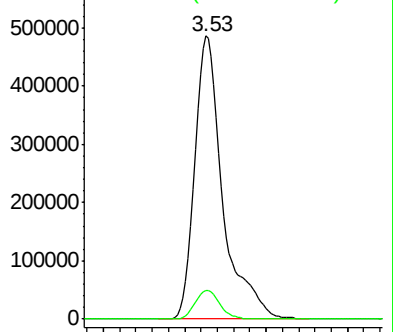
43 100

86 10.3 7.8 11.8

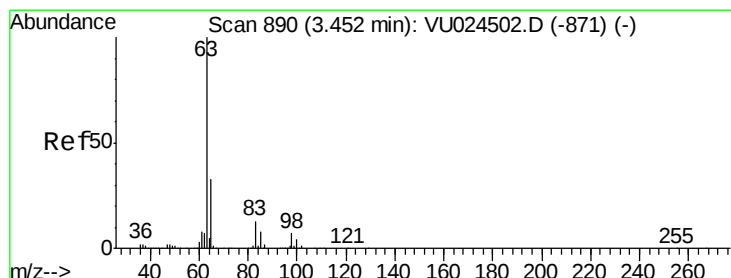
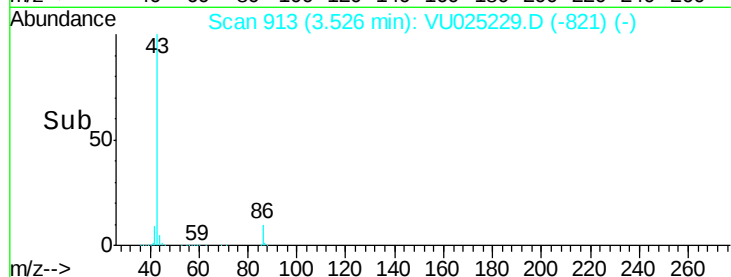


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 41.80 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

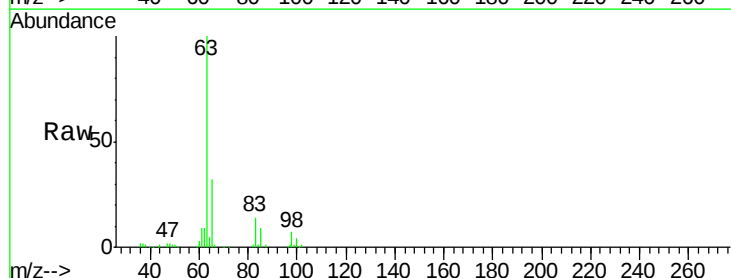
Tgt Ion: 63 Resp: 166736

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

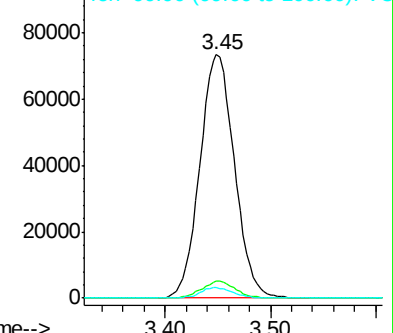
100 4.3 1.8 5.5



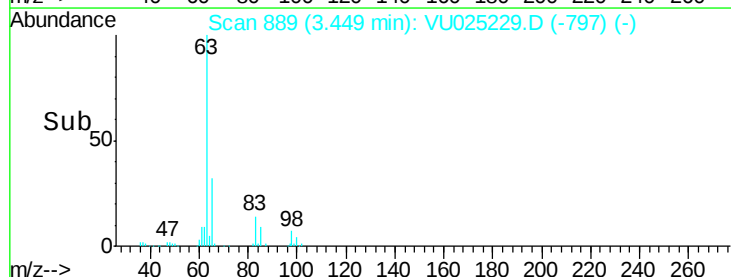
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->





#25

2-Butanone

Concen: 215.67 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

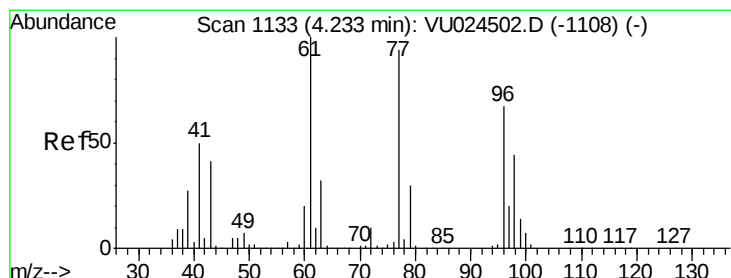
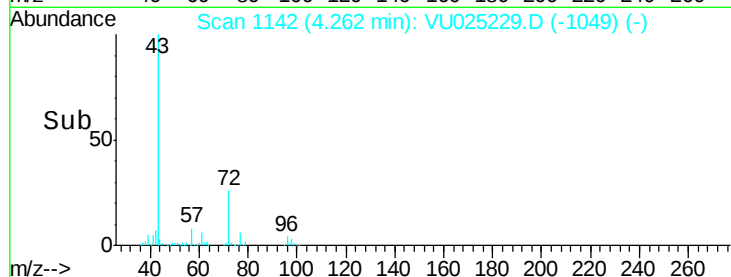
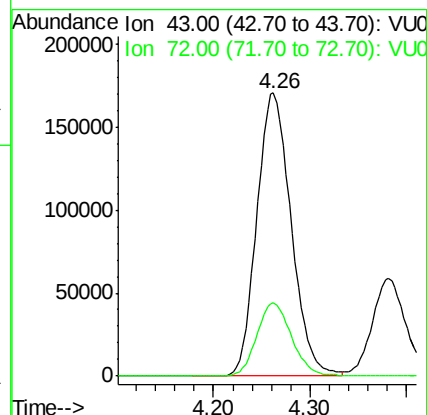
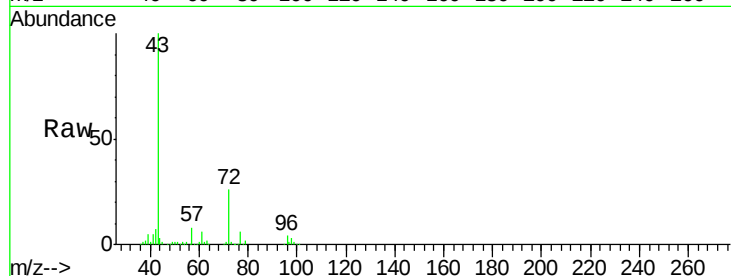
WP021MW470-180628MSD

Tot Ion: 43 Resp: 420456

Ion Ratio Lower Upper

43 100

72 25.8 19.6 29.4



#26

2,2-Dichloropropane

Concen: 28.63 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025229.D

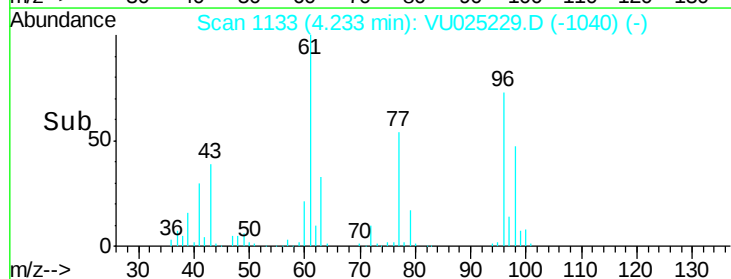
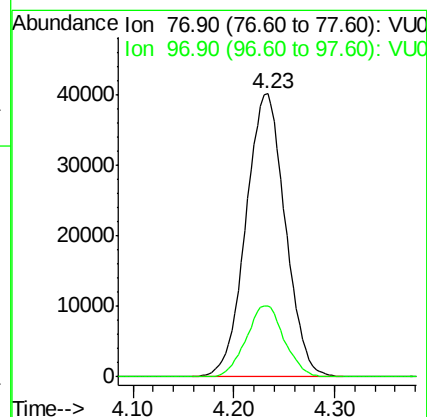
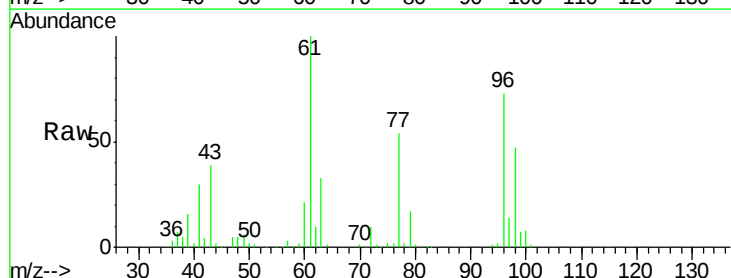
Acq: 05 Jul 2018 20:43

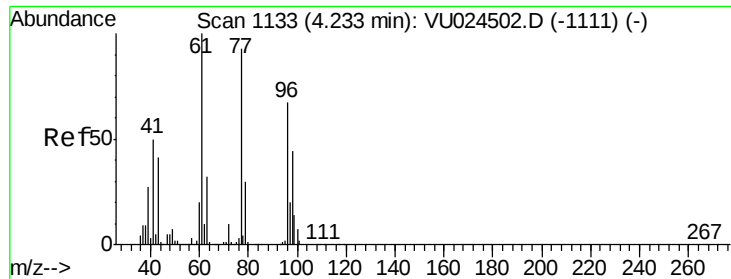
Tgt Ion: 77 Resp: 108448

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 55.09 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

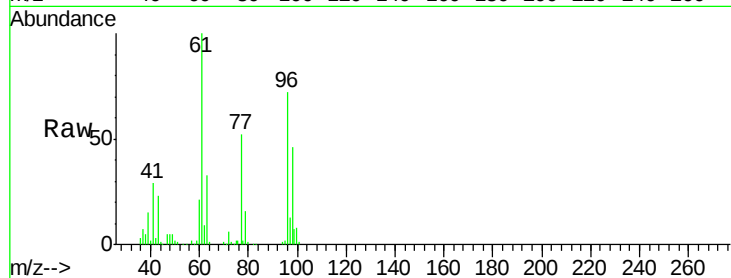
Tot Ion: 96 Resp: 131424

Ion Ratio Lower Upper

96 100

61 141.7 0.0 306.6

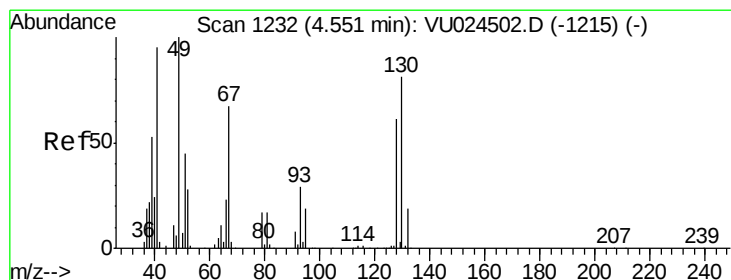
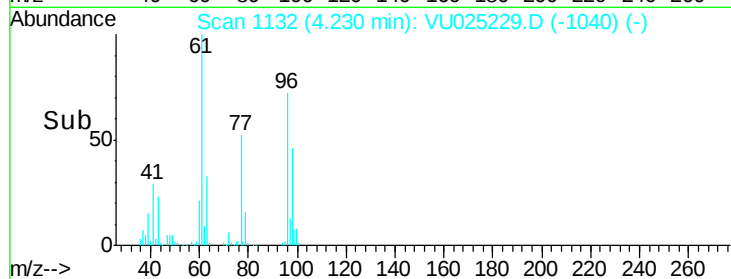
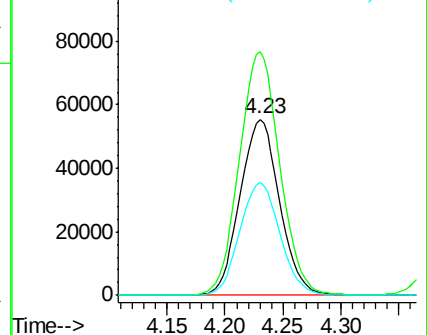
98 65.4 0.0 128.8



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: 47.63 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

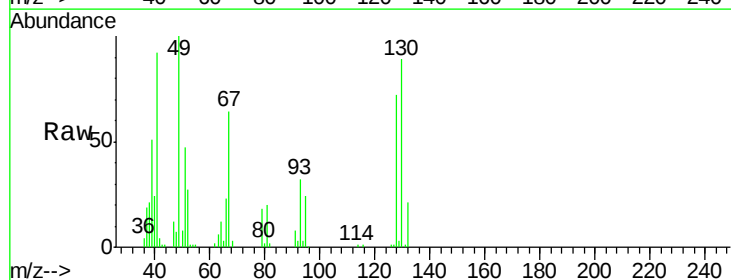
Tgt Ion: 49 Resp: 83685

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.8

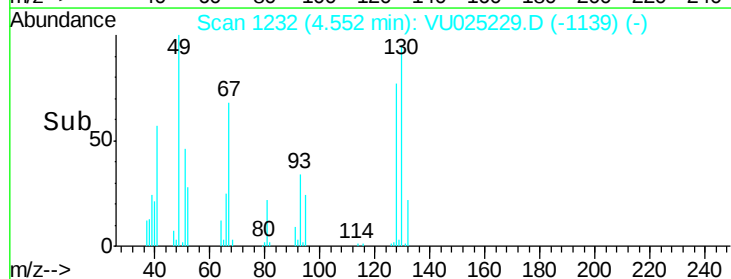
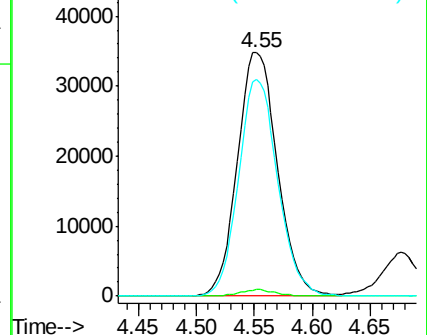
130 87.1 57.8 86.6#

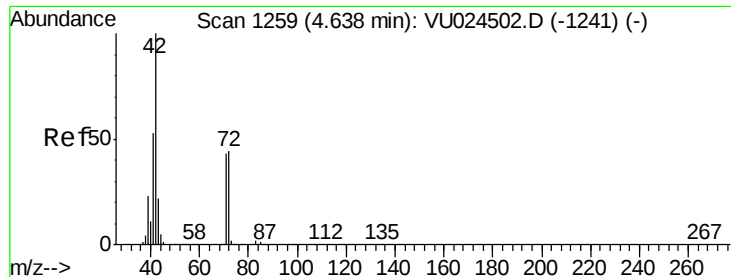


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 218.90 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

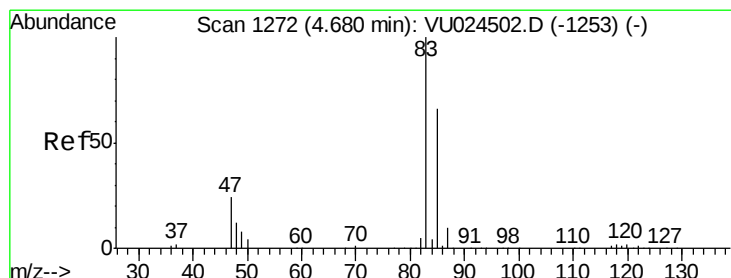
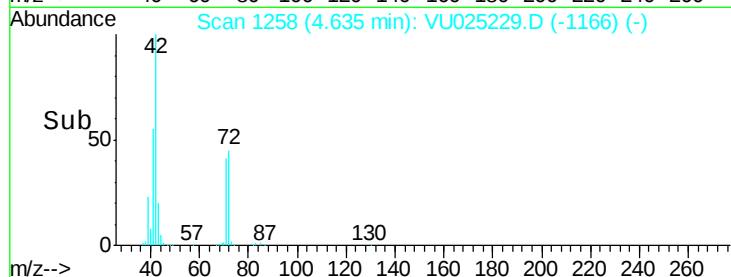
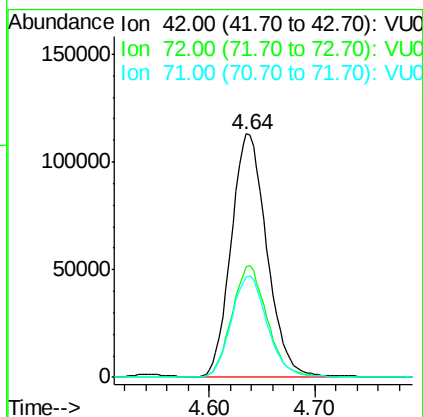
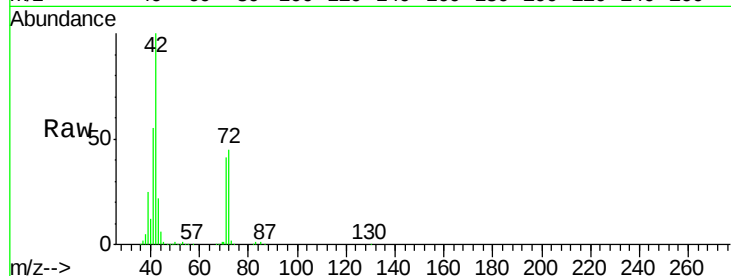
Tot Ion: 42 Resp: 264268

Ion Ratio Lower Upper

42 100

72 45.7 34.5 51.7

71 42.2 32.2 48.4



#30

Chloroform

Concen: 43.96 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025229.D

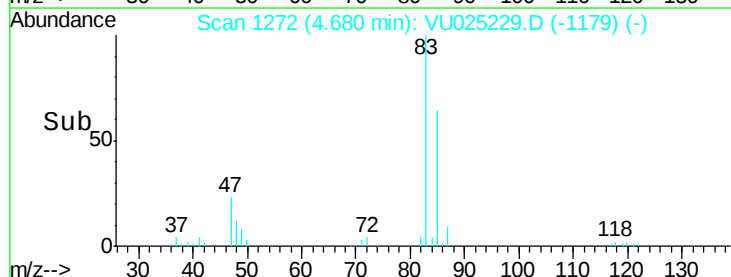
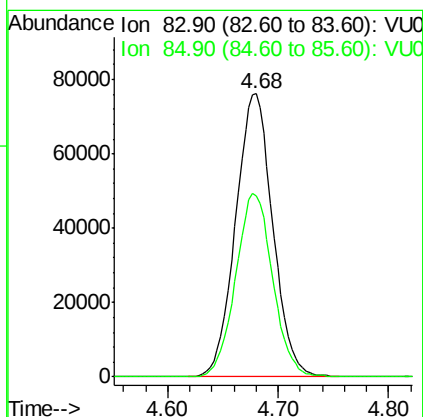
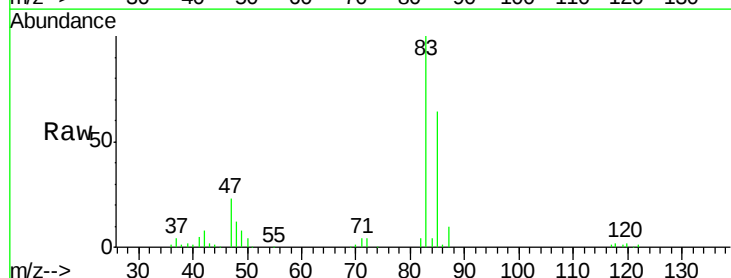
Acq: 05 Jul 2018 20:43

Tgt Ion: 83 Resp: 177498

Ion Ratio Lower Upper

83 100

85 64.2 52.4 78.6

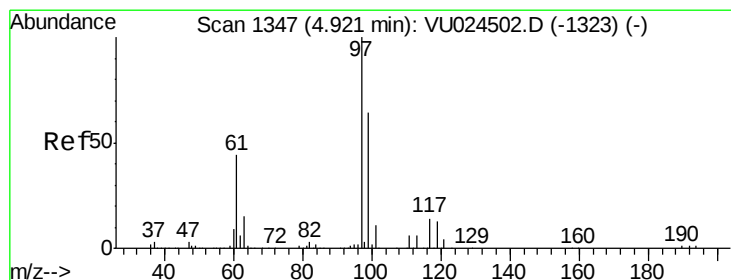
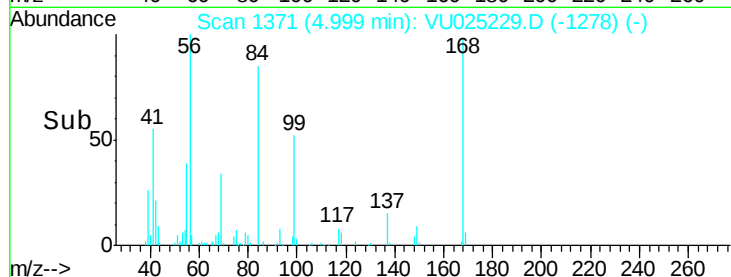
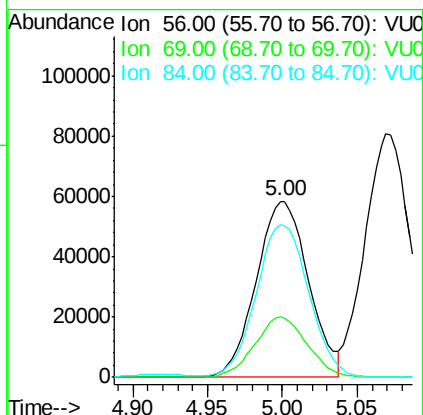
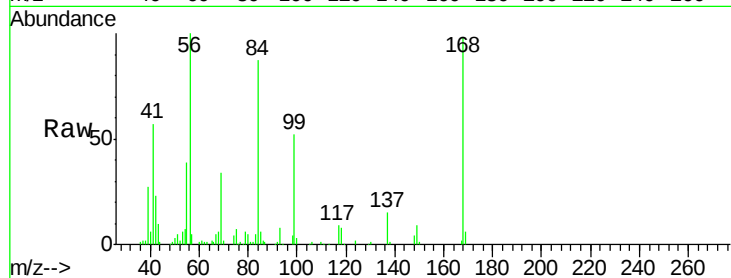




#31
Cyclohexane
Concen: 39.55 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

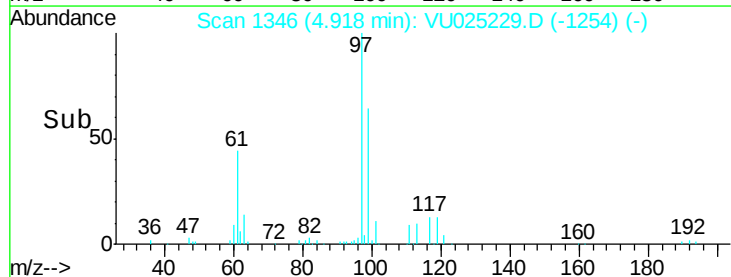
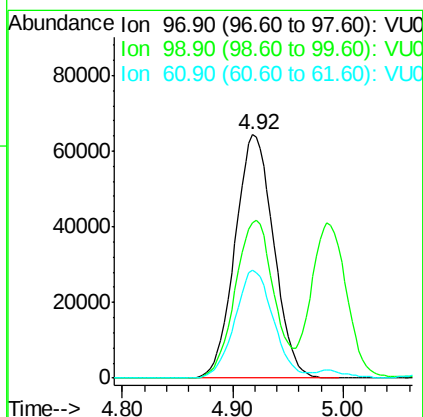
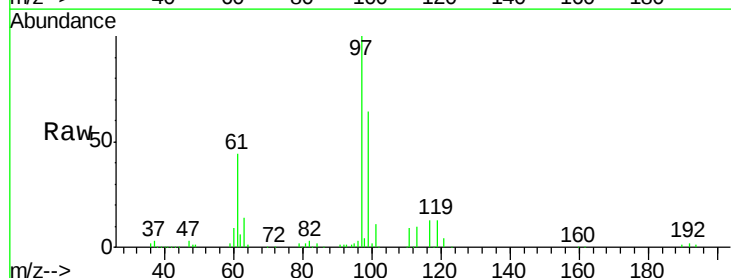
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion: 56 Resp: 141569
Ion Ratio Lower Upper
56 100
69 34.4 24.8 37.2
84 85.6 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 41.75 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

Tgt Ion: 97 Resp: 155879
Ion Ratio Lower Upper
97 100
99 65.8 51.0 76.6
61 44.3 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 43.25 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

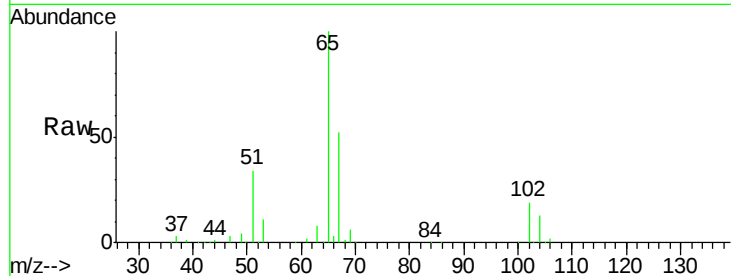
WP021MW470-180628MSD

Tot Ion: 65 Resp: 116834

Ion Ratio Lower Upper

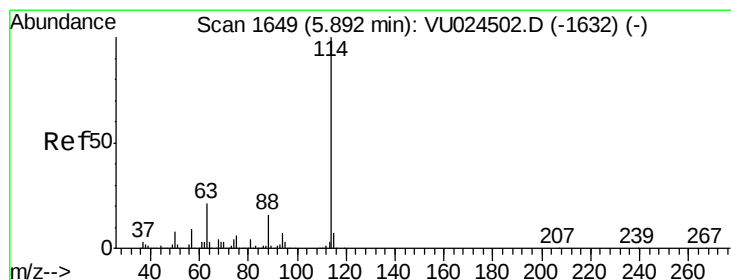
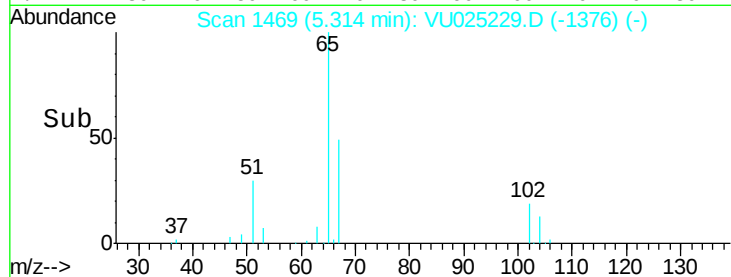
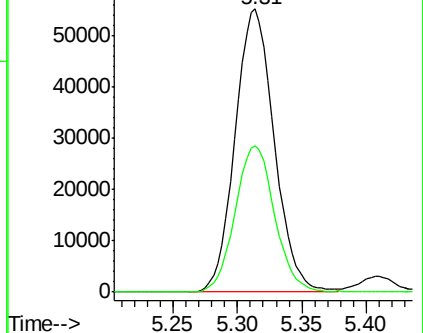
65 100

67 52.0 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: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

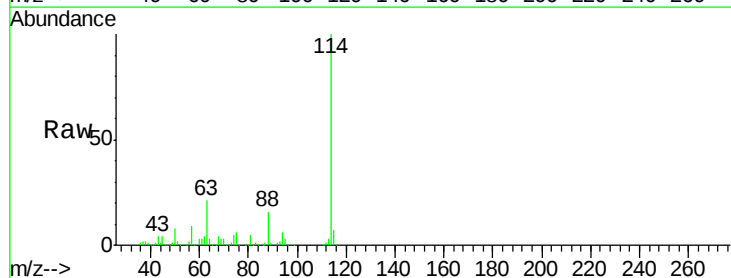
Tgt Ion: 114 Resp: 258180

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

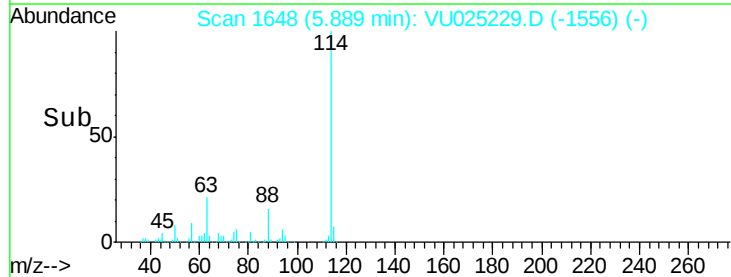
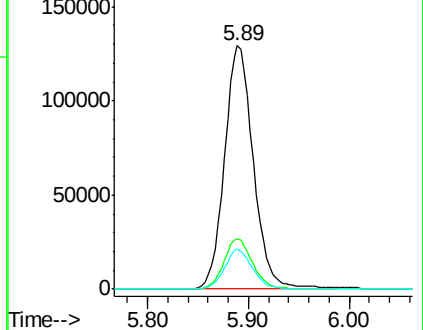
88 16.3 0.0 31.0



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) (-)

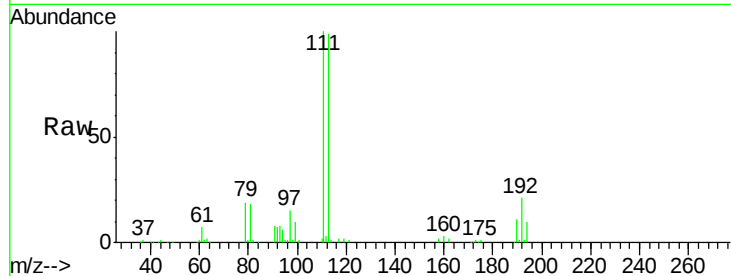




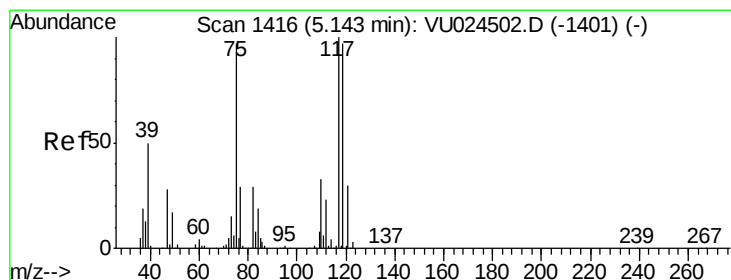
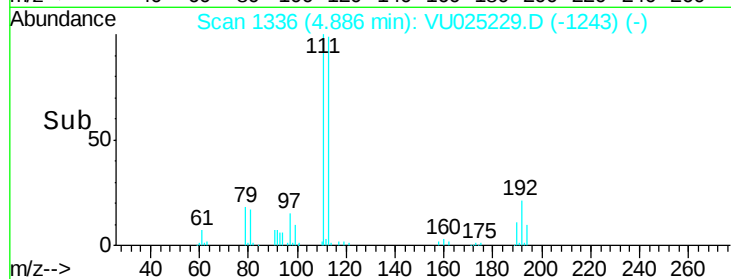
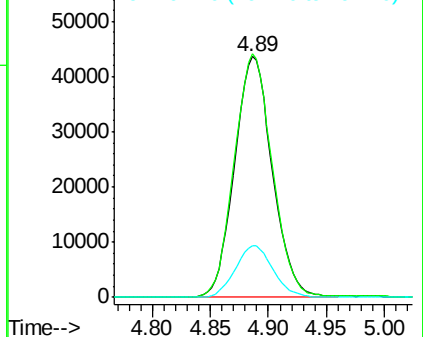
#35
 Dibromofluoromethane
 Concen: 45.99 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.4
192	21.4	16.2	24.4

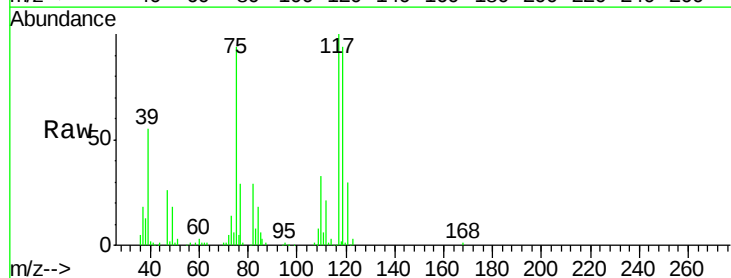


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

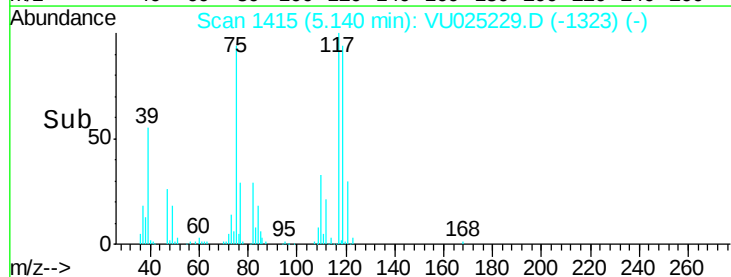
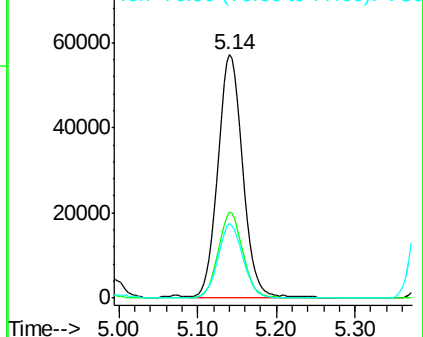


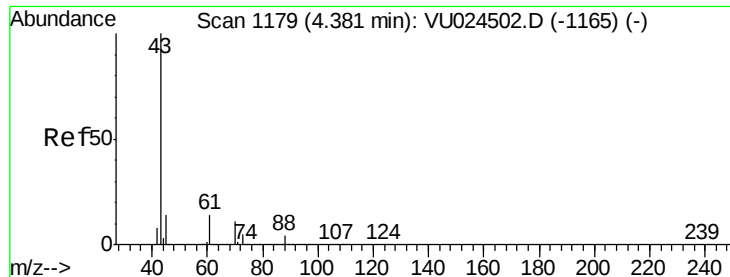
#36
 1,1-Dichloropropene
 Concen: 41.17 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.0	50.9
77	30.5	24.2	36.4



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

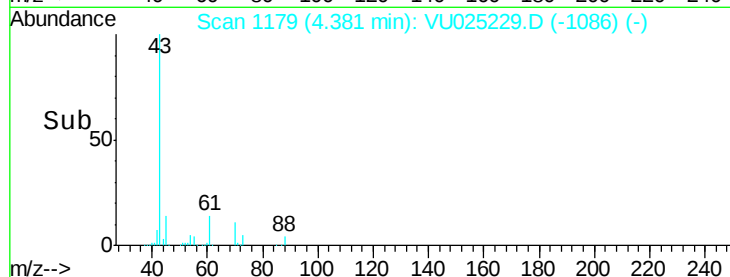
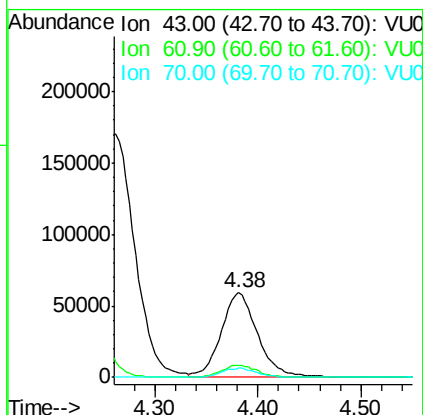
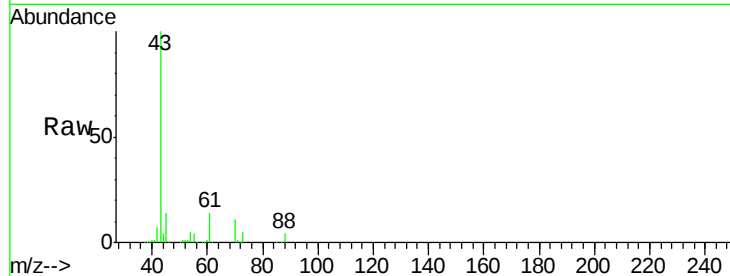




#37
Ethyl Acetate
Concen: 43.28 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

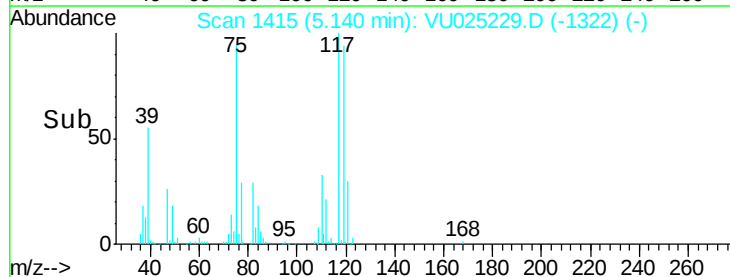
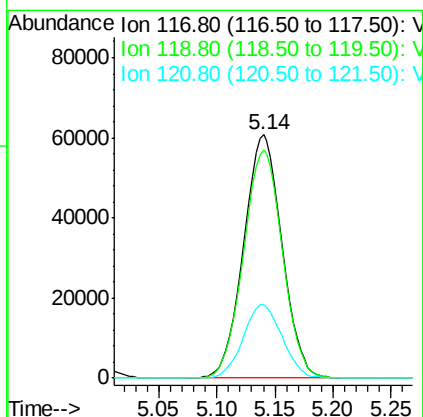
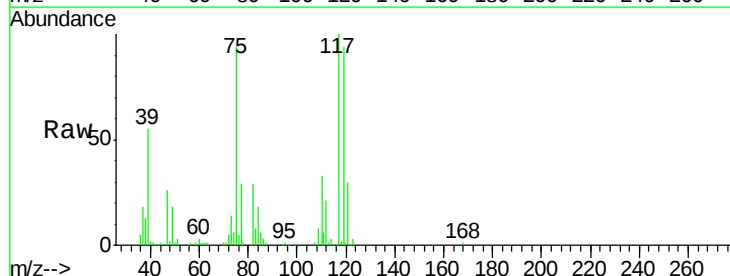
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	43	Resp	143118
Ion Ratio	Lower	Upper	
43	100		
61	13.7	10.5	15.7
70	10.4	7.4	11.2



#38
Carbon Tetrachloride
Concen: 41.84 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

Tgt Ion	117	Resp	139599
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.1	114.1
121	30.2	23.7	35.5

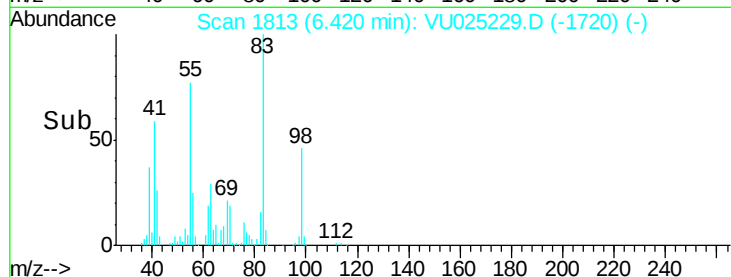
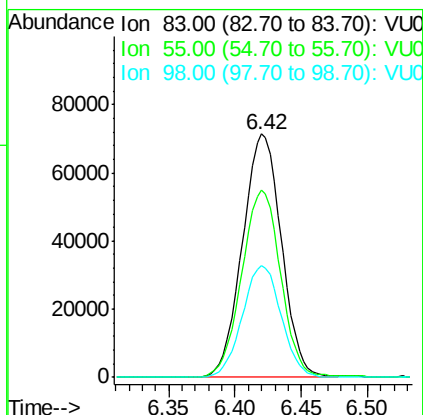
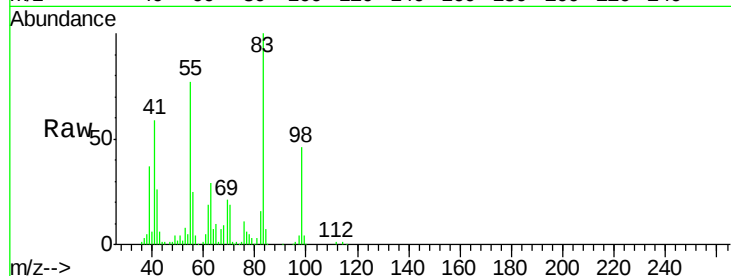




#39
Methvlcvclohexane
Concen: 38.60 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

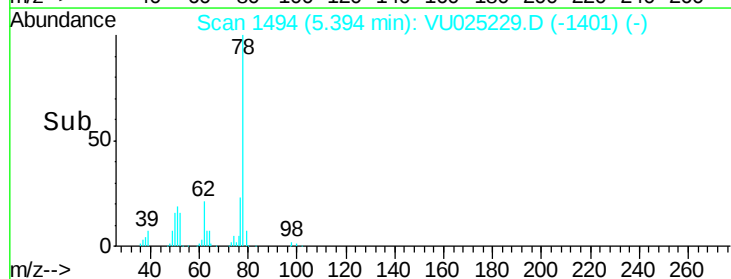
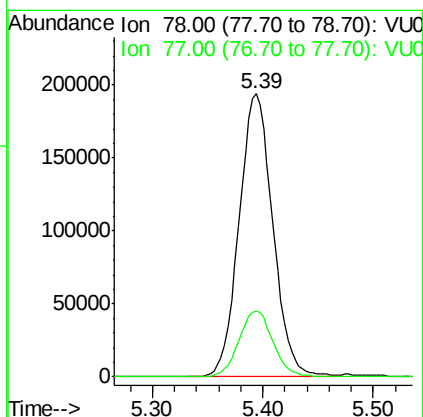
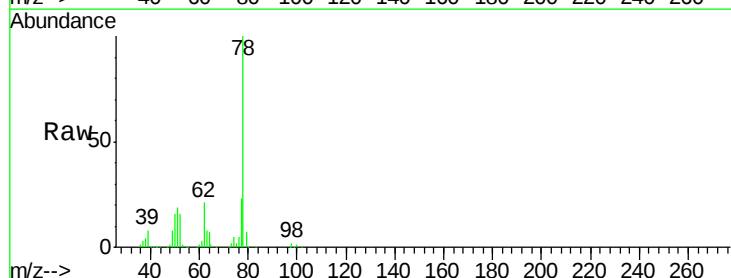
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion: 83 Resp: 146133
Ion Ratio Lower Upper
83 100
55 77.1 65.8 98.6
98 45.7 36.7 55.1



#40
Benzene
Concen: 47.57 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

Tgt Ion: 78 Resp: 411270
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 47.36 ug/l

RT: 4.55 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 41 Resp: 84436

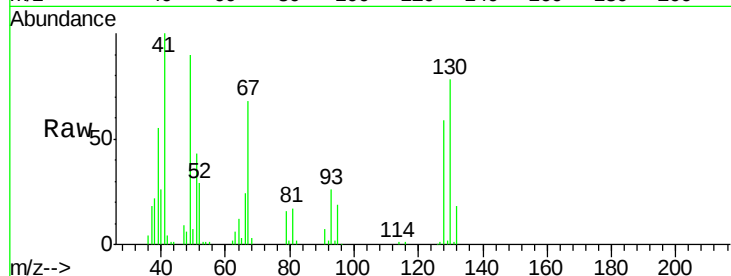
Ion Ratio Lower Upper

41 100

39 56.4 43.8 65.6

67 70.2 56.3 84.5

52 28.5 23.2 34.8

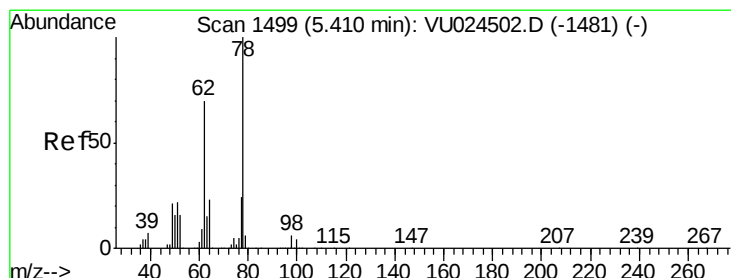
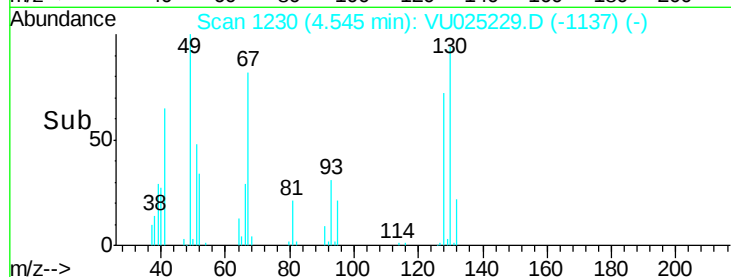
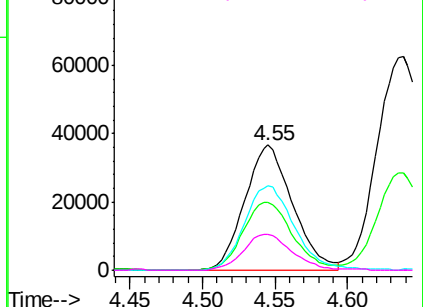


Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1214) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1214) (-)

Ion 67.00 (66.70 to 67.70): VU024502.D (-1214) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-1214) (-)



#42

1,2-Dichloroethane

Concen: 45.01 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025229.D

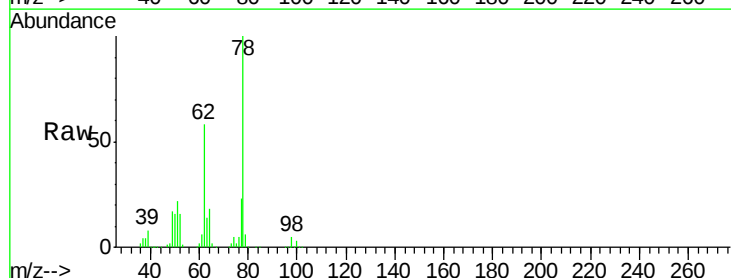
Acq: 05 Jul 2018 20:43

Tgt Ion: 62 Resp: 148199

Ion Ratio Lower Upper

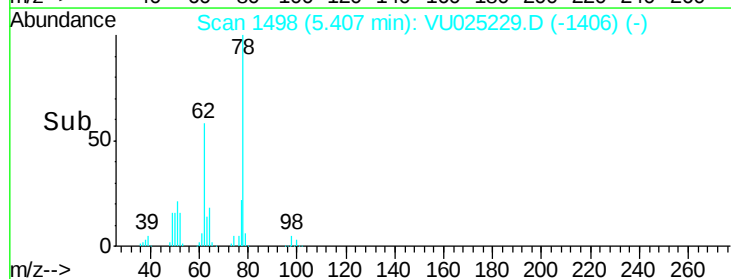
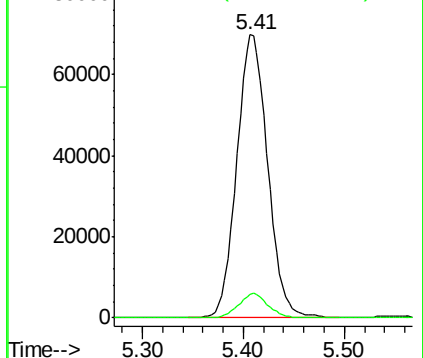
62 100

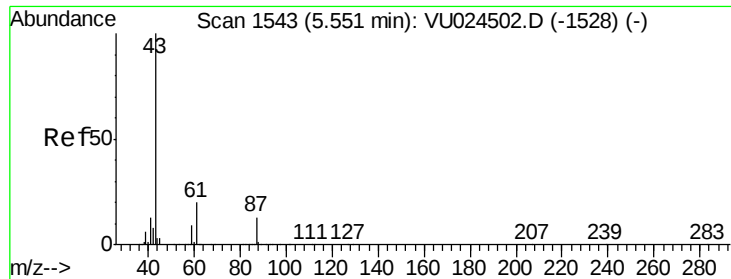
98 8.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)





#43

Isopropyl Acetate

Concen: 40.24 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

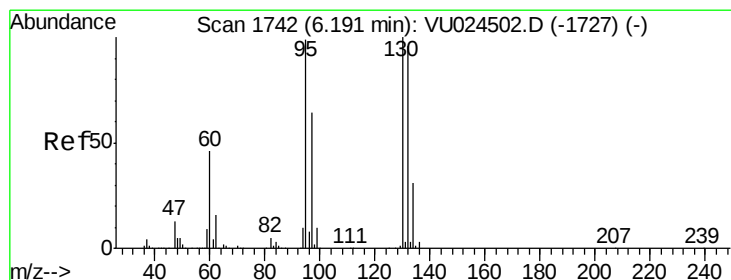
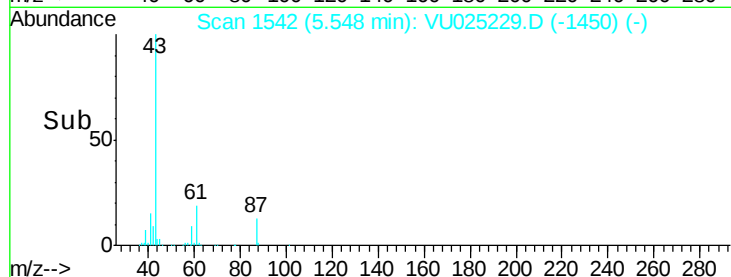
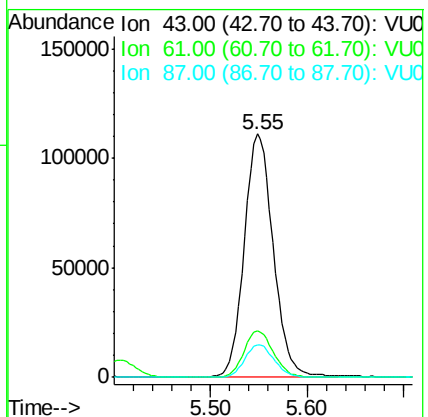
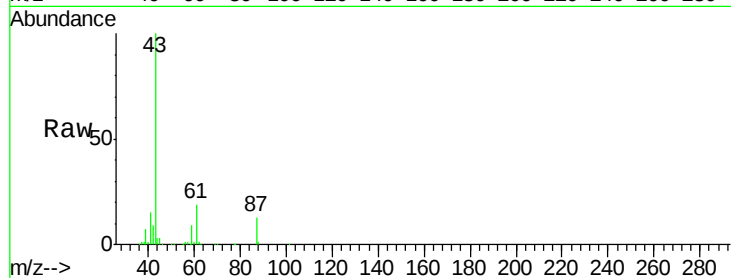
Tot Ion: 43 Resp: 229985

Ion Ratio Lower Upper

43 100

61 19.5 15.4 23.0

87 13.6 10.0 15.0



#44

Trichloroethene

Concen: 47.89 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025229.D

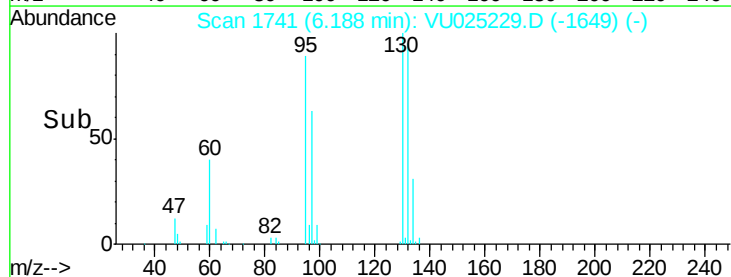
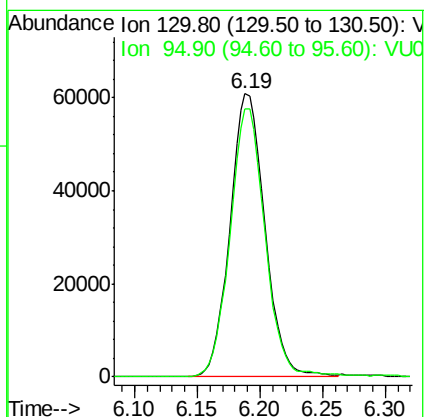
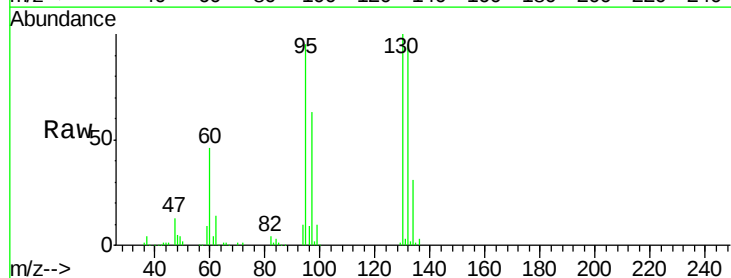
Acq: 05 Jul 2018 20:43

Tgt Ion: 130 Resp: 117821

Ion Ratio Lower Upper

130 100

95 94.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 42.10 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

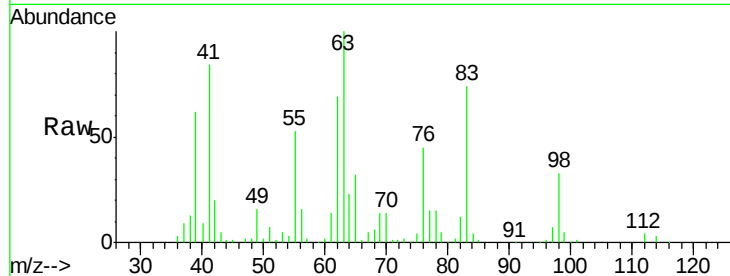
WP021MW470-180628MSD

Tot Ion: 63 Resp: 97100

Ion Ratio Lower Upper

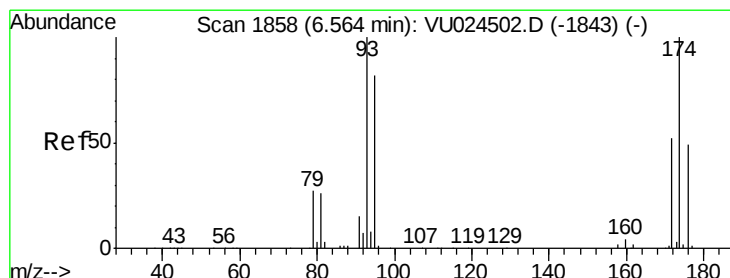
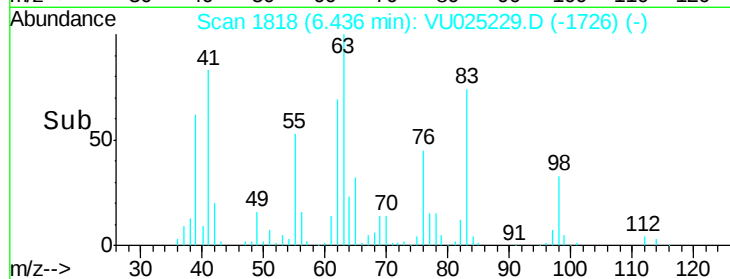
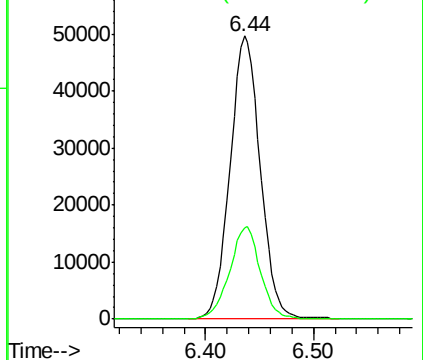
63 100

65 32.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 44.33 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

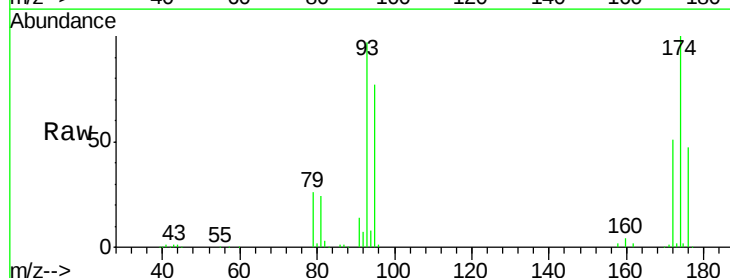
Tgt Ion: 93 Resp: 71822

Ion Ratio Lower Upper

93 100

95 81.7 65.5 98.3

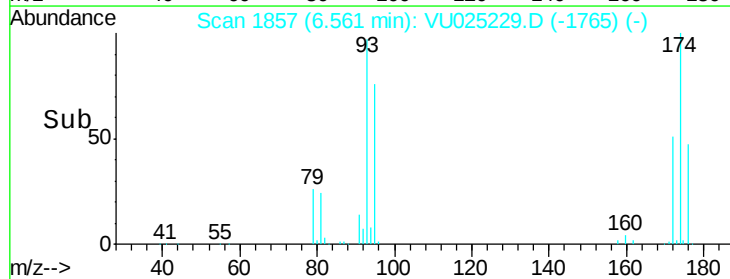
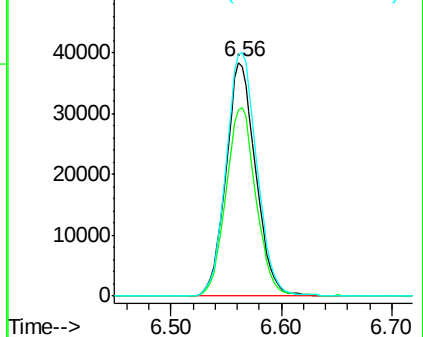
174 107.8 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 41.26 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

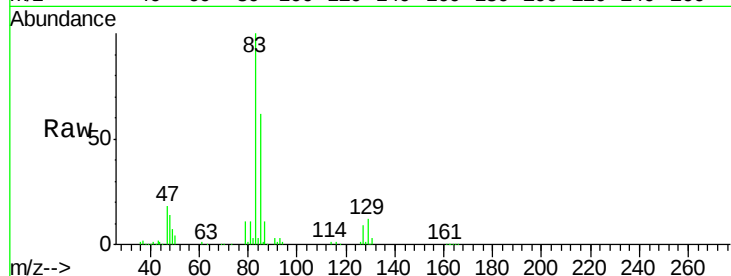
Tot Ion: 83 Resp: 133114

Ion Ratio Lower Upper

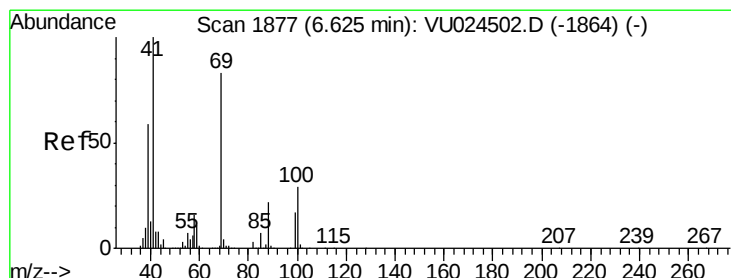
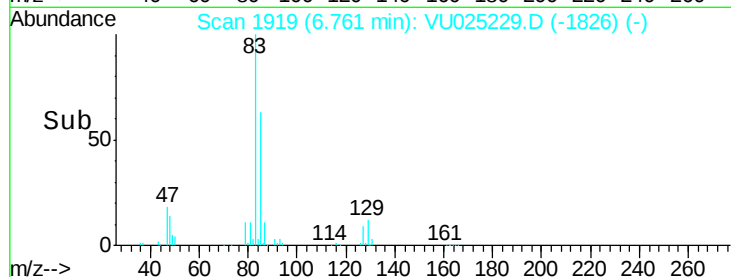
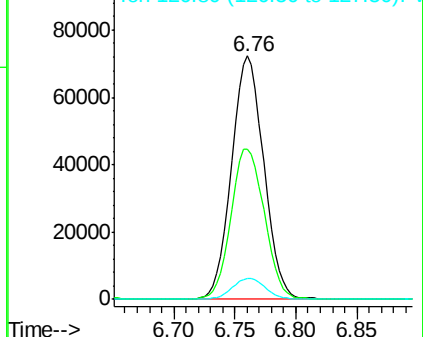
83 100

85 61.9 51.9 77.9

127 8.7 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: 44.21 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

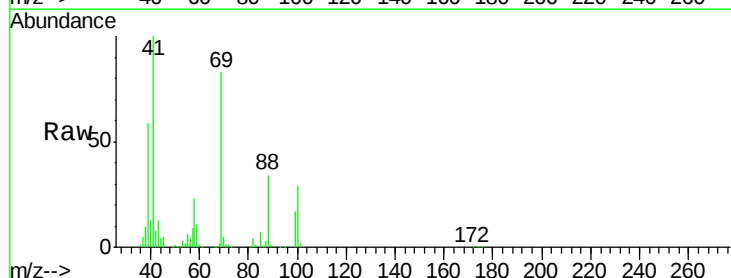
Tgt Ion: 41 Resp: 123055

Ion Ratio Lower Upper

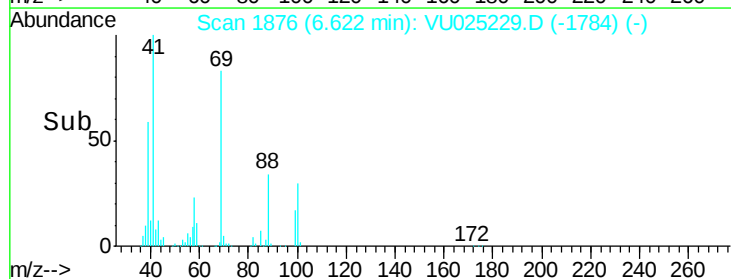
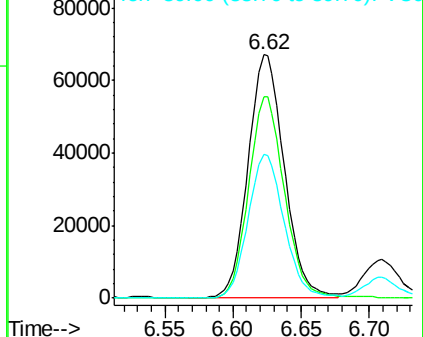
41 100

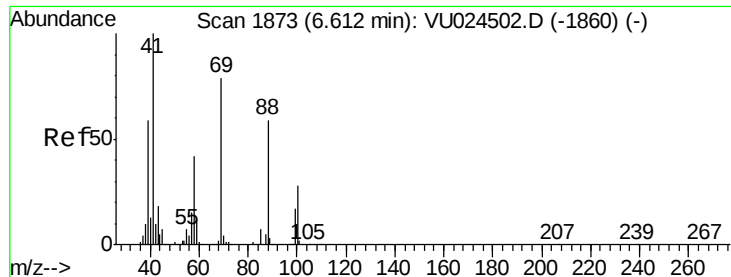
69 82.7 67.3 100.9

39 59.3 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: 1019.37 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

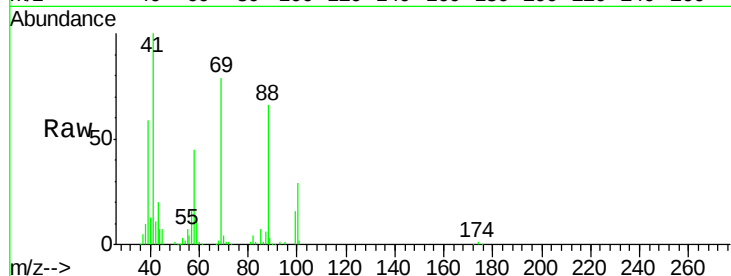
Tot Ion: 88 Resp: 55483

Ion Ratio Lower Upper

88 100

43 33.6 28.6 42.8

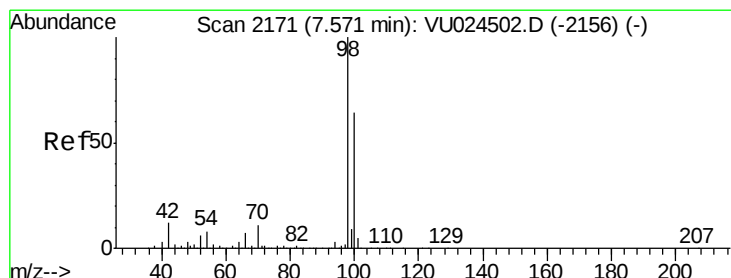
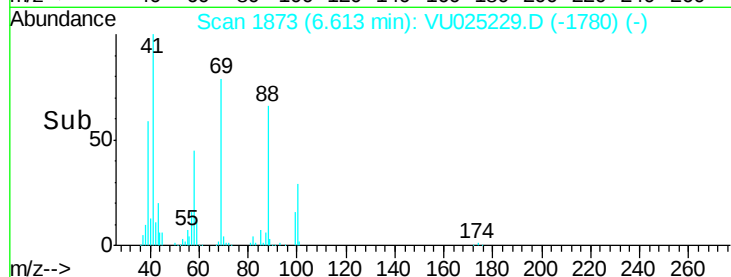
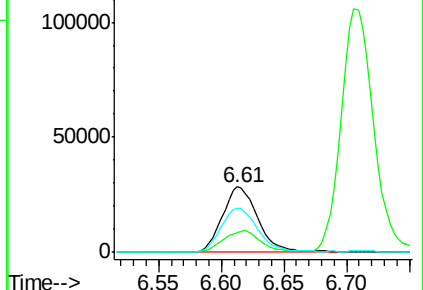
58 70.7 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VU025229.D (-1780) (-)

Ion 43.00 (42.70 to 43.70): VU025229.D (-1780) (-)

Ion 58.00 (57.70 to 58.70): VU025229.D (-1780) (-)



#50

Toluene-d8

Concen: 38.45 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025229.D

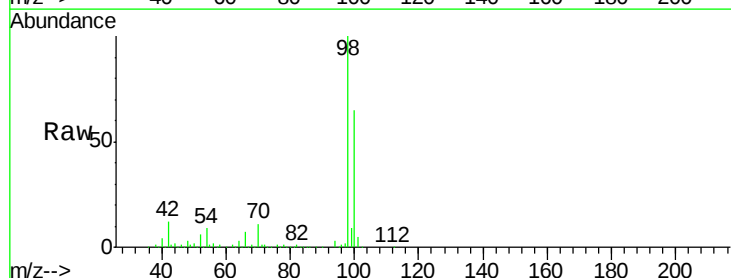
Acq: 05 Jul 2018 20:43

Tgt Ion: 98 Resp: 300546

Ion Ratio Lower Upper

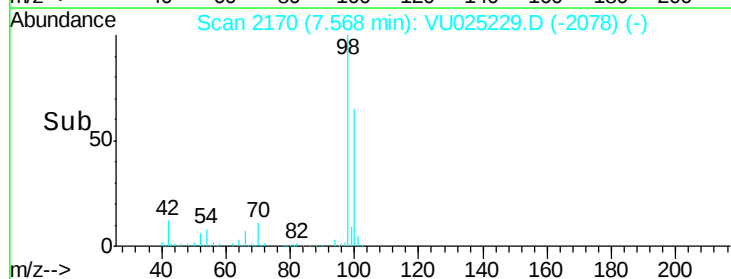
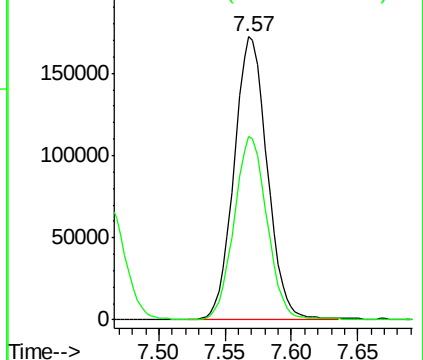
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025229.D (-2078) (-)

Ion 100.00 (99.70 to 100.70): VU025229.D (-2078) (-)

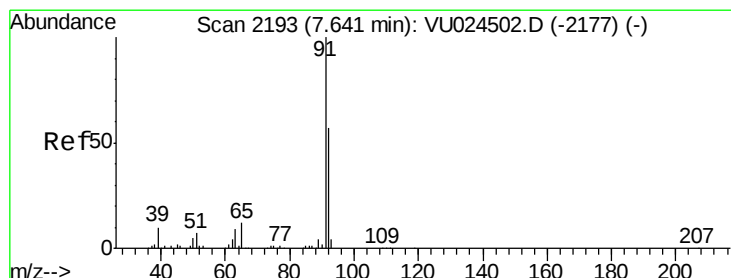
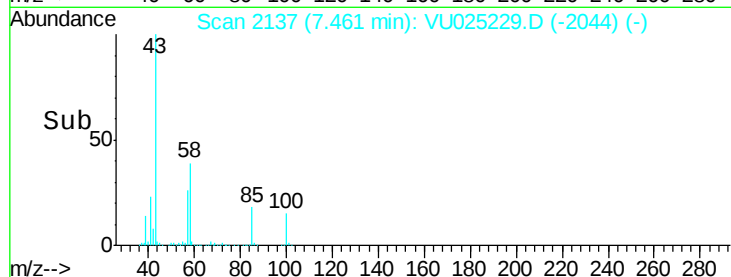
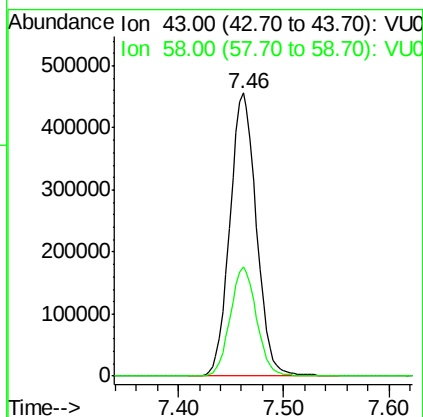
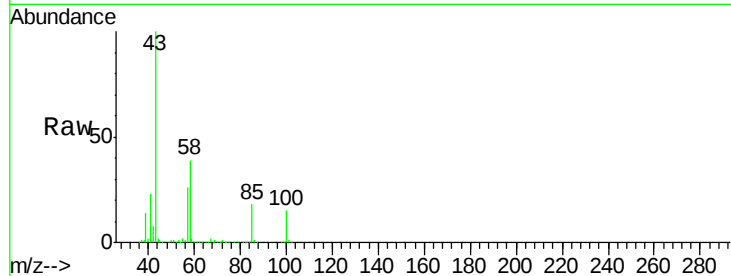




#51
 4-Methyl-2-Pentanone
 Concen: 220.63 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

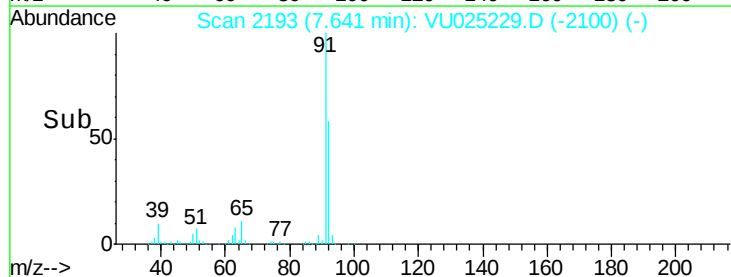
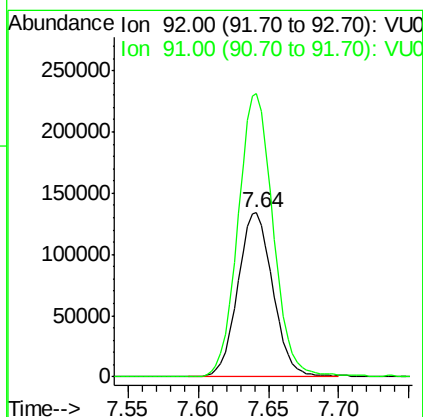
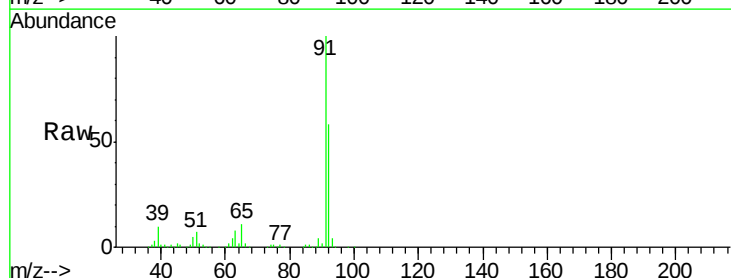
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion: 43 Resp: 792272
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.0 45.0



#52
 Toluene
 Concen: 42.04 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion: 92 Resp: 233797
 Ion Ratio Lower Upper
 92 100
 91 173.2 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 38.08 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

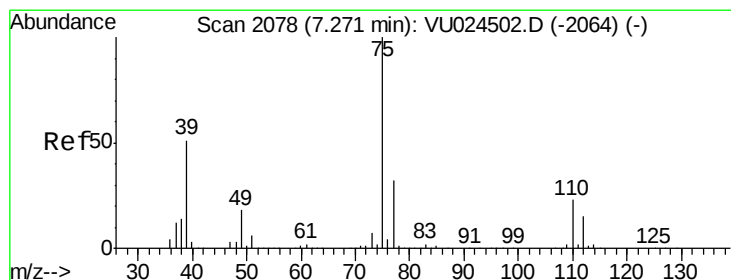
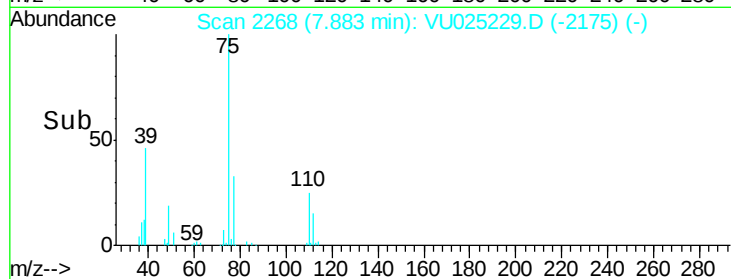
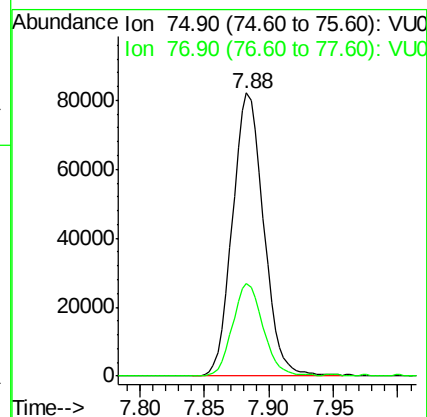
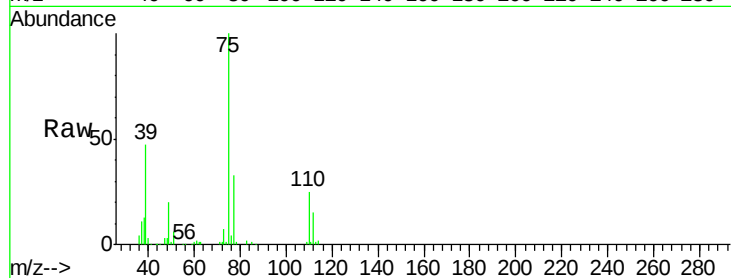
WP021MW470-180628MSD

Tot Ion: 75 Resp: 137952

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 37.32 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

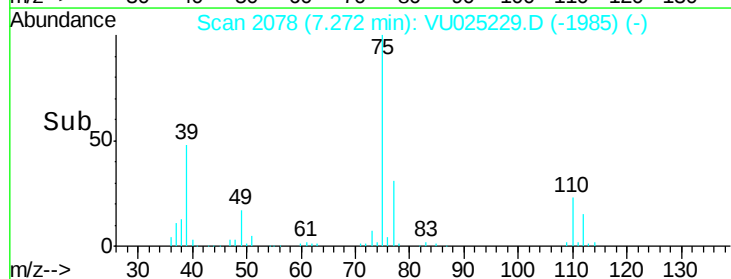
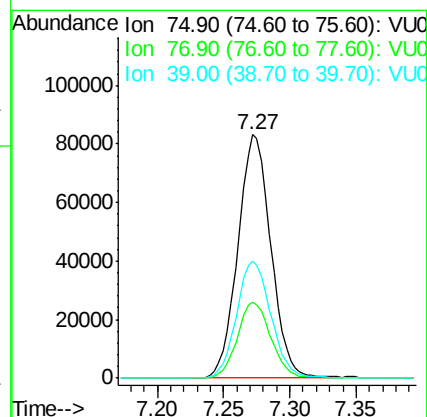
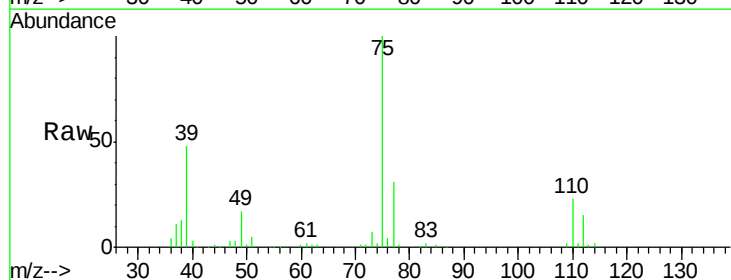
Tgt Ion: 75 Resp: 144098

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 47.9 39.8 59.6

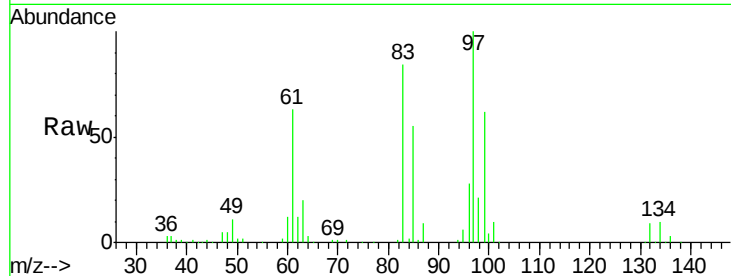




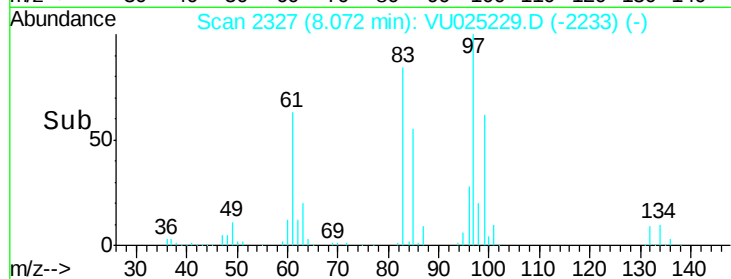
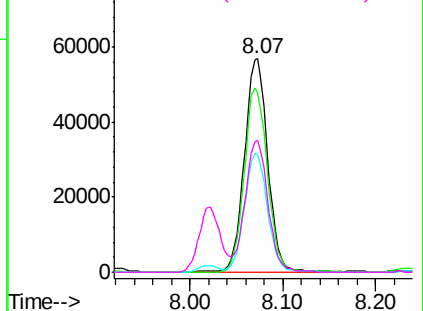
#55
 1,1,2-Trichloroethane
 Concen: 43.96 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion:	97	Resp:	99391
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.5	105.7
85	55.3	46.4	69.6
99	61.6	50.2	75.2

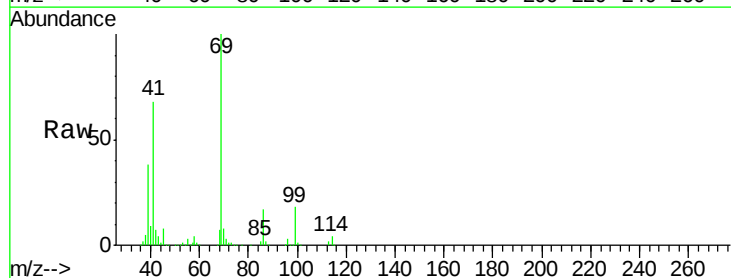


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

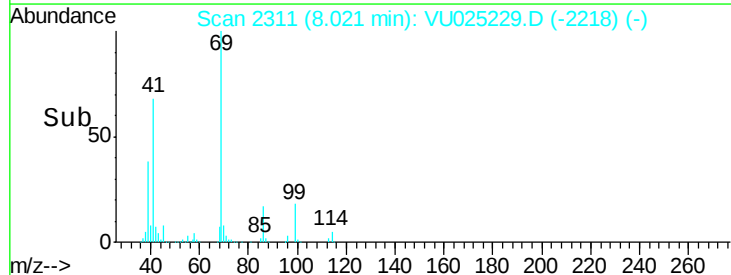
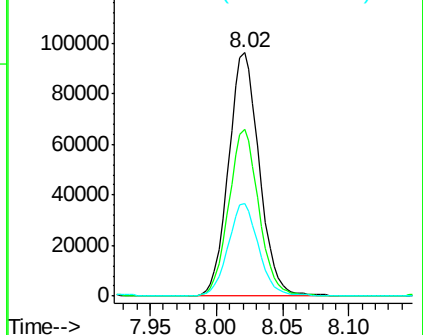


#56
 Ethyl methacrylate
 Concen: 40.99 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion:	69	Resp:	155109
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.1	81.1
39	37.4	30.3	45.5



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

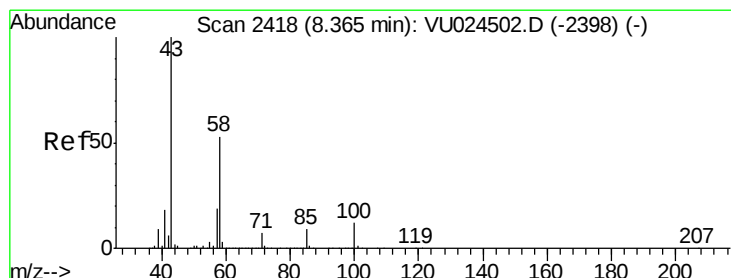
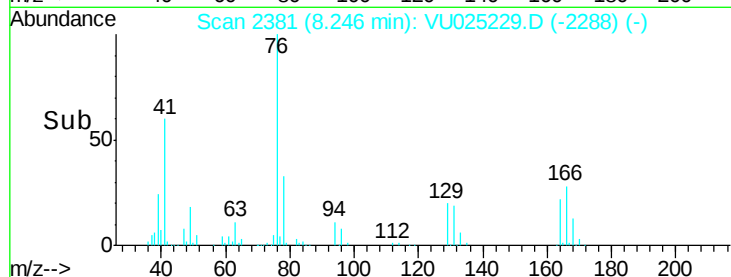
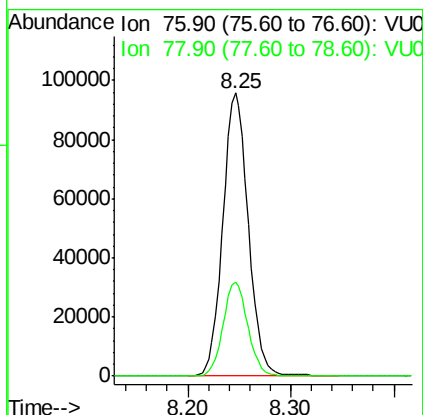
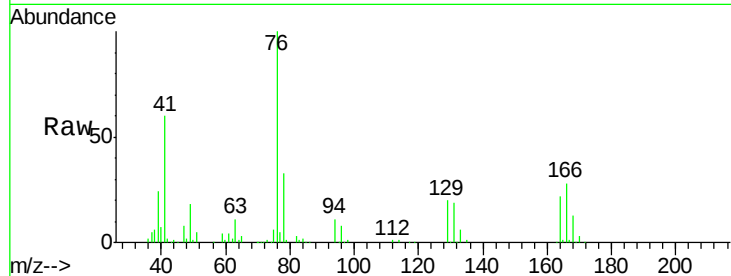




#57
 1,3-Dichloropropane
 Concen: 43.16 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

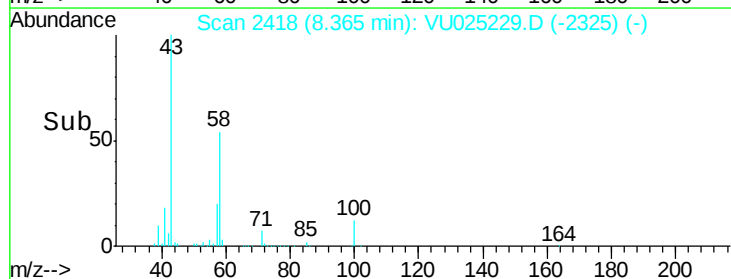
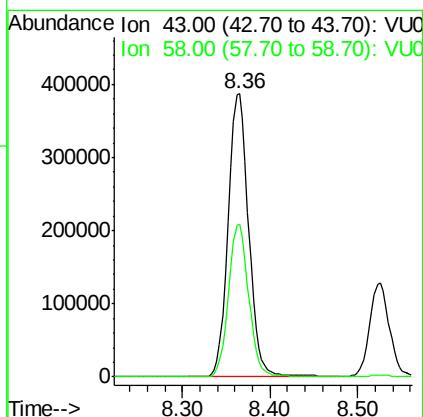
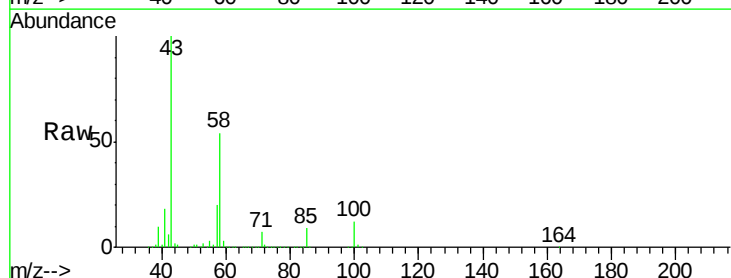
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

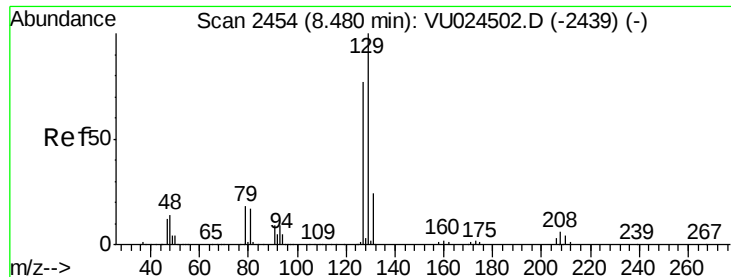
Tot Ion: 76 Resp: 164595
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8



#59
 2-Hexanone
 Concen: 215.55 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion: 43 Resp: 631904
 Ion Ratio Lower Upper
 43 100
 58 53.1 26.4 79.0





#60

Dibromochloromethane

Concen: 39.18 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

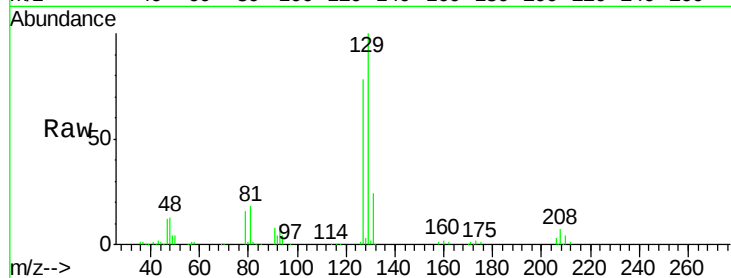
WP021MW470-180628MSD

Tot Ion:129 Resp: 110459

Ion Ratio Lower Upper

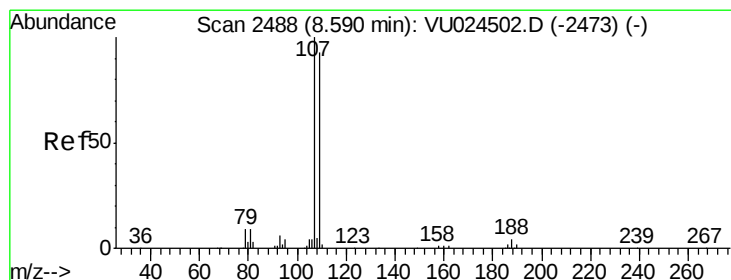
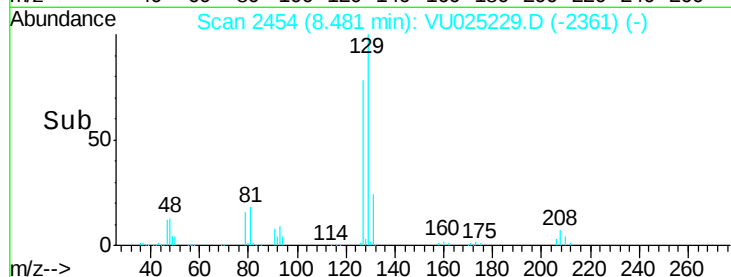
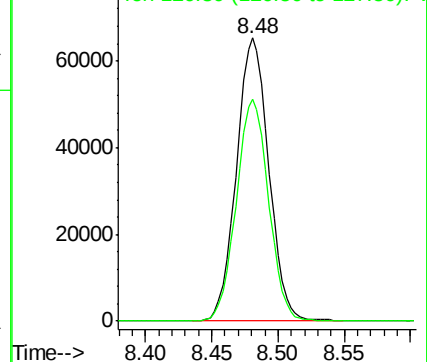
129 100

127 78.4 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 42.69 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025229.D

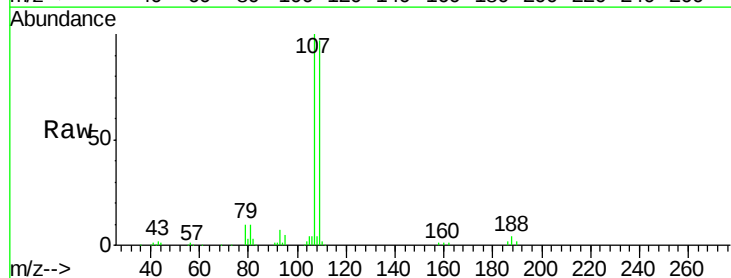
Acq: 05 Jul 2018 20:43

Tgt Ion:107 Resp: 107430

Ion Ratio Lower Upper

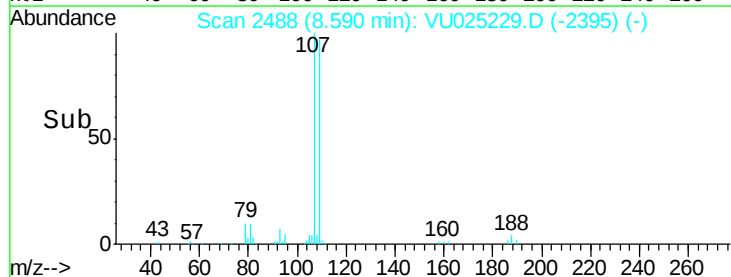
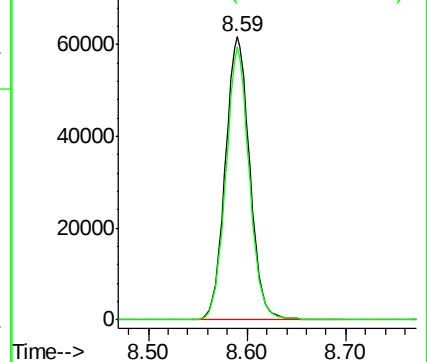
107 100

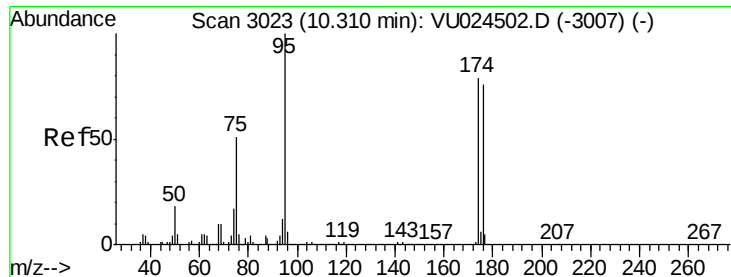
109 92.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43.12 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

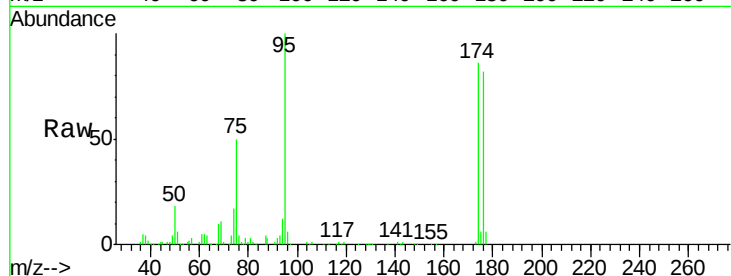
Tot Ion: 95 Resp: 133814

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

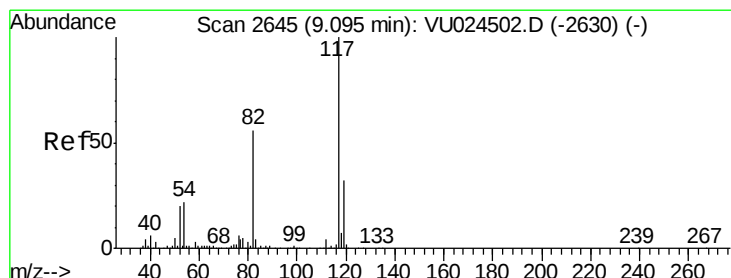
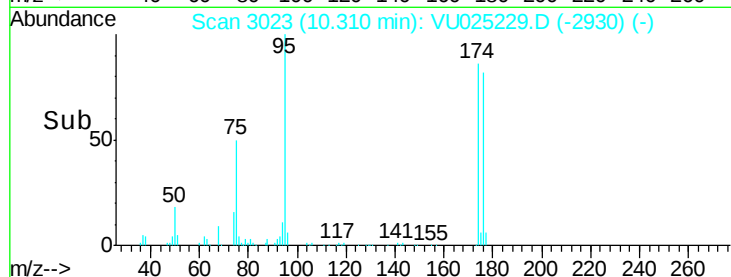
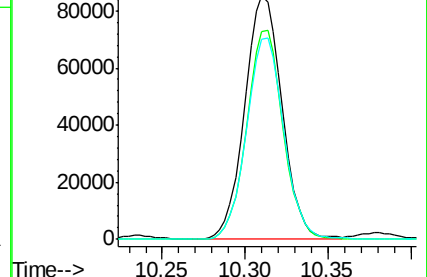
176 82.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

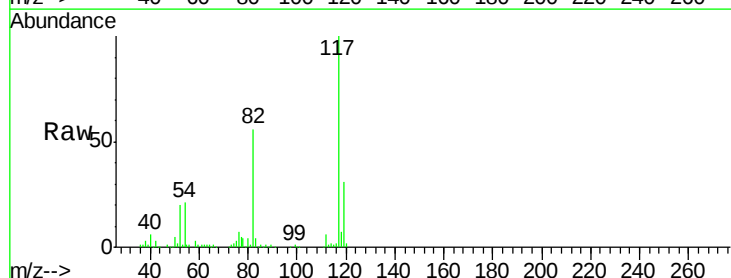
Tgt Ion: 117 Resp: 243131

Ion Ratio Lower Upper

117 100

82 56.5 44.3 66.5

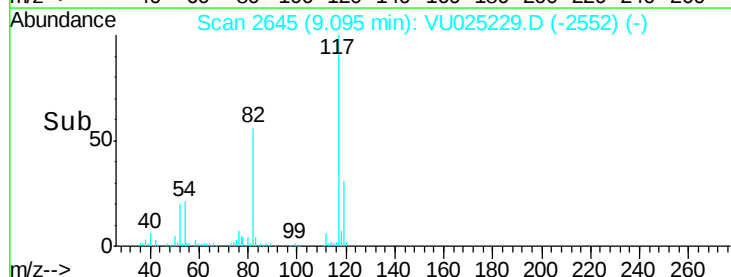
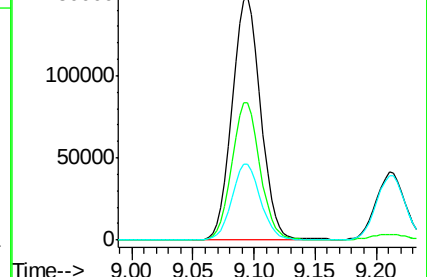
119 31.1 25.4 38.2

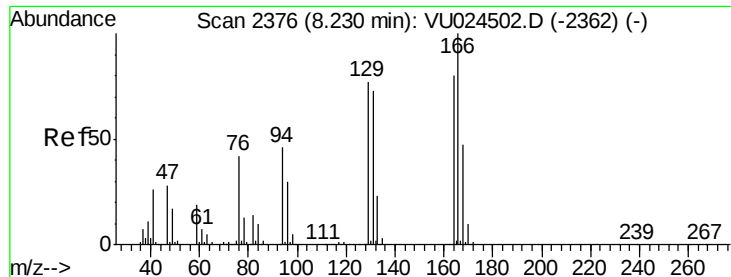


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

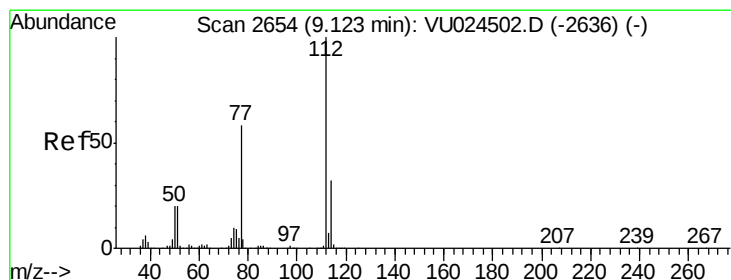
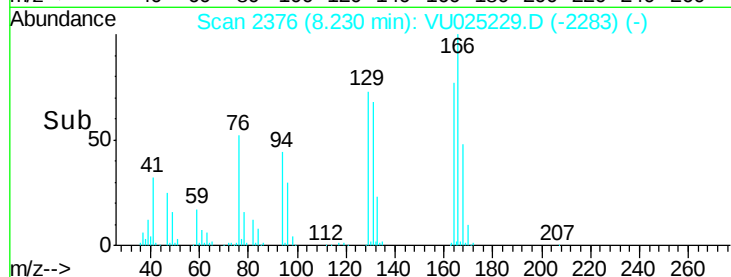
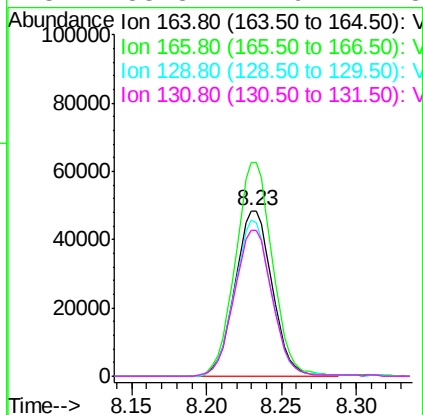
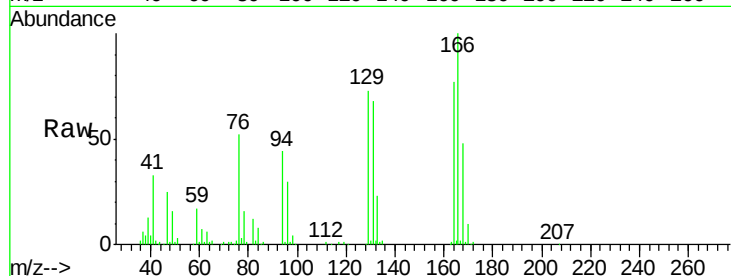




#64
Tetrachloroethene
Concen: 36.33 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

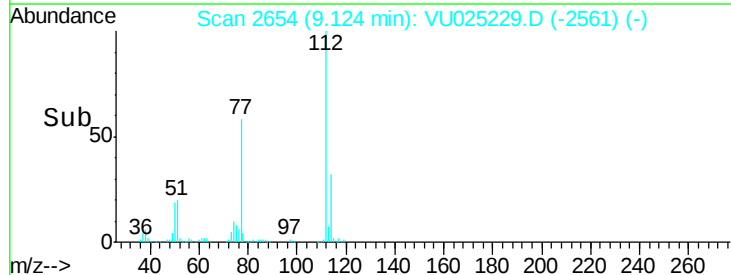
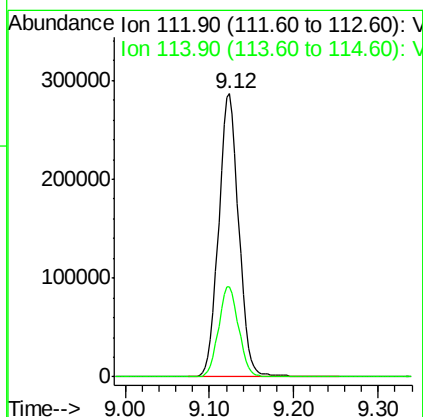
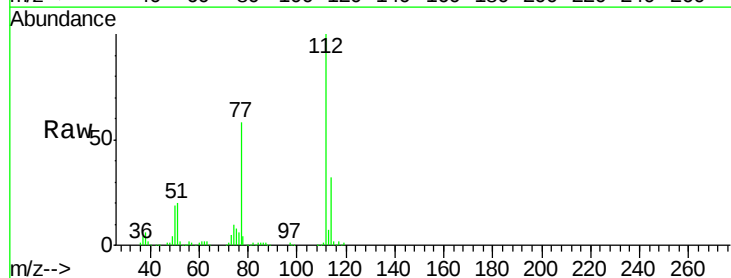
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

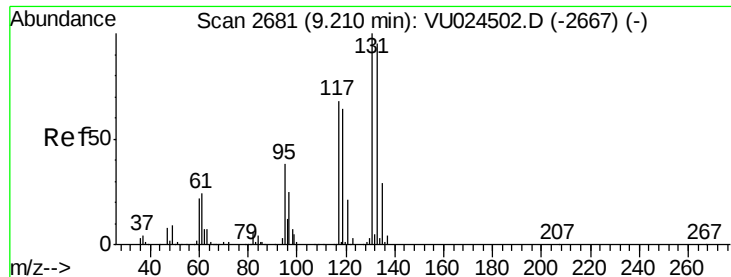
Tot Ion:164 Resp: 83956
Ion Ratio Lower Upper
164 100
166 129.1 101.7 152.5
129 94.8 76.9 115.3
131 88.3 74.9 112.3



#65
Chlorobenzene
Concen: 76.42 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

Tgt Ion:112 Resp: 474643
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 43.25 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

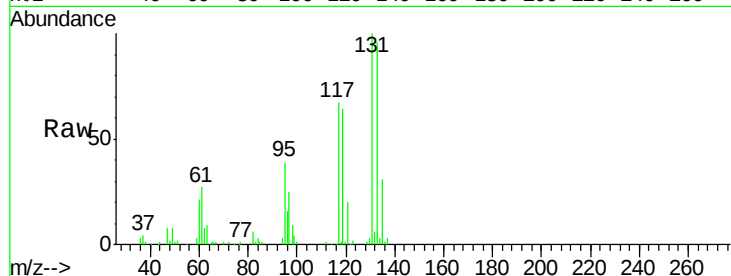
Tot Ion:131 Resp: 102062

Ion Ratio Lower Upper

131 100

133 95.6 46.9 140.8

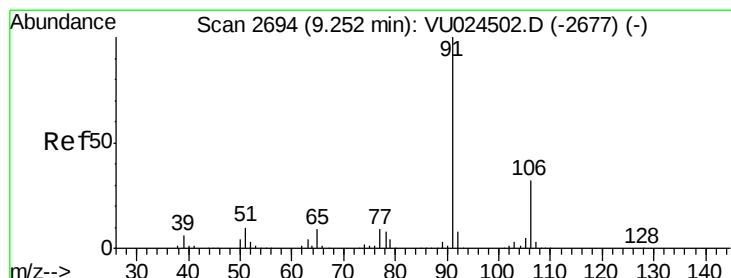
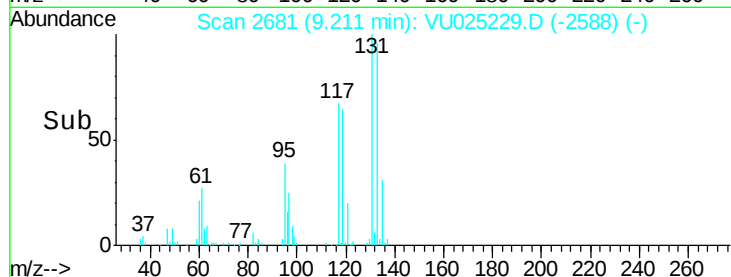
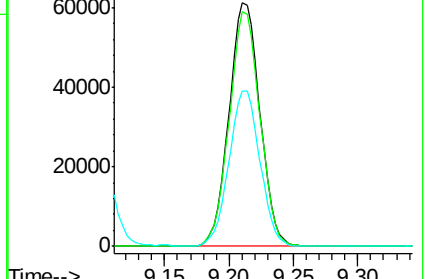
119 63.9 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 42.11 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025229.D

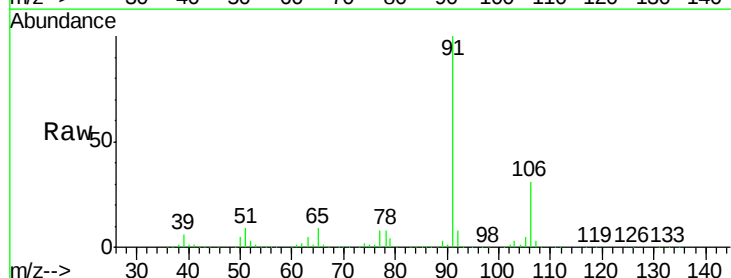
Acq: 05 Jul 2018 20:43

Tgt Ion: 91 Resp: 458551

Ion Ratio Lower Upper

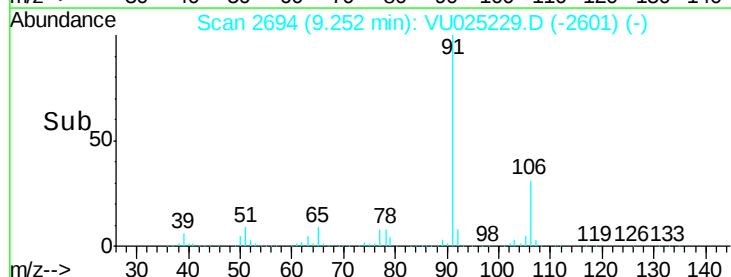
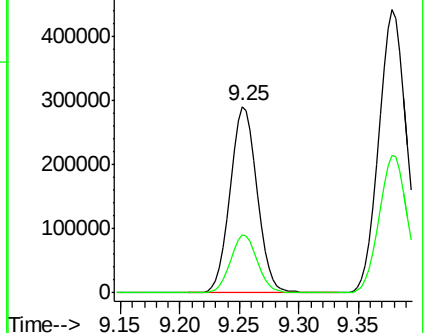
91 100

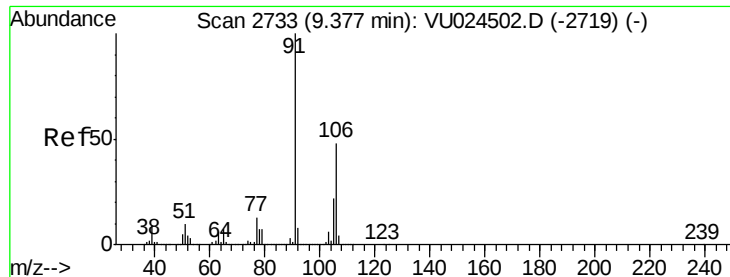
106 31.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

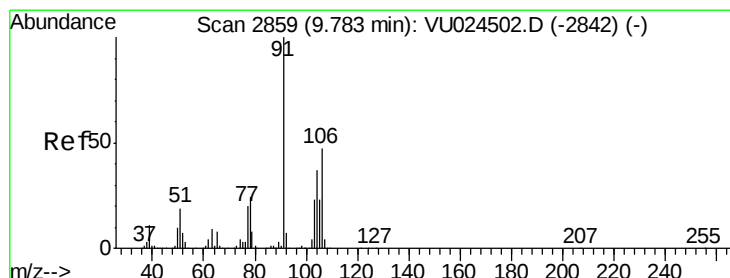
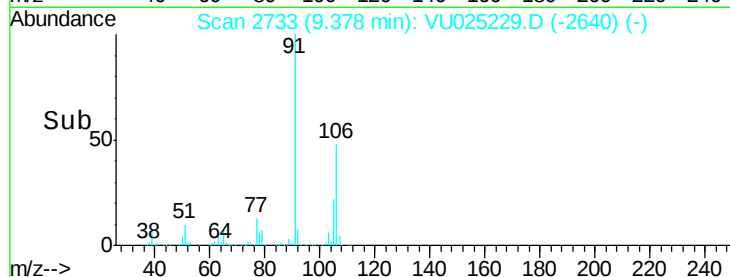
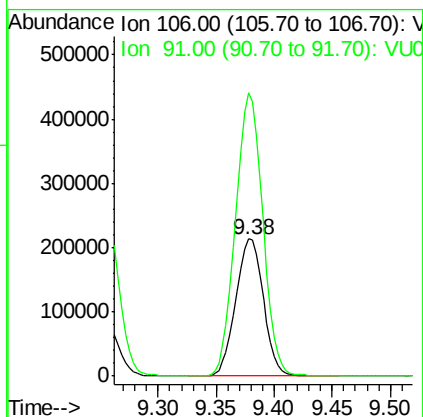
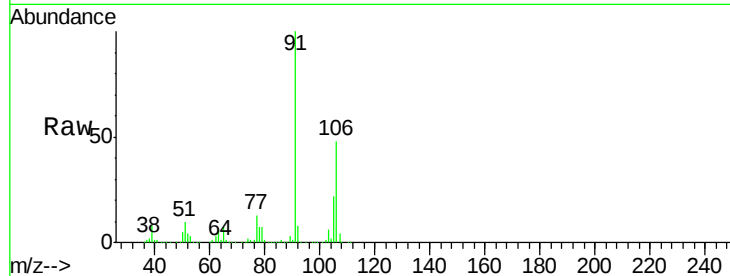




#68
m/p-Xylenes
Concen: 83.91 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

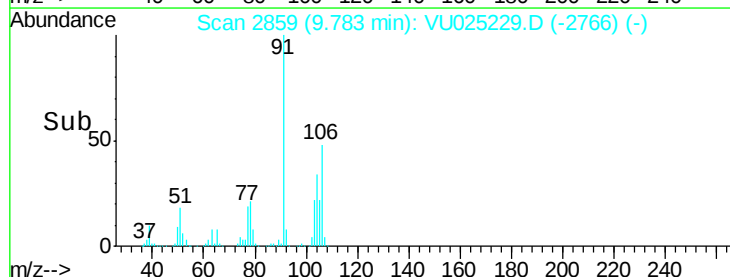
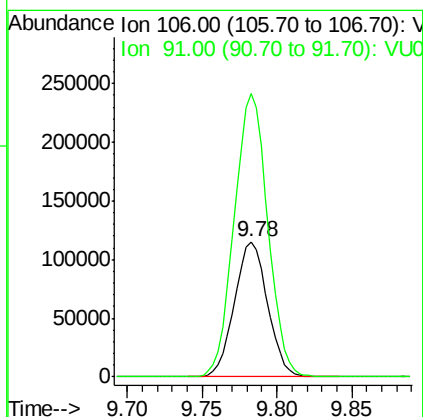
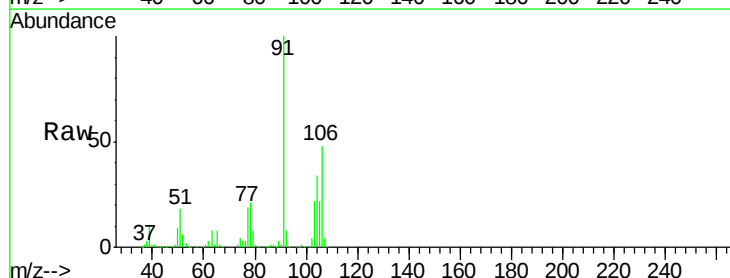
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion:106 Resp: 350846
Ion Ratio Lower Upper
106 100
91 204.2 166.5 249.7



#69
o-Xylene
Concen: 43.01 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

Tgt Ion:106 Resp: 177991
Ion Ratio Lower Upper
106 100
91 212.4 110.7 331.9

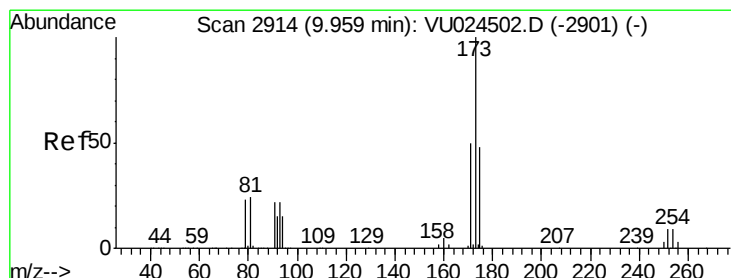
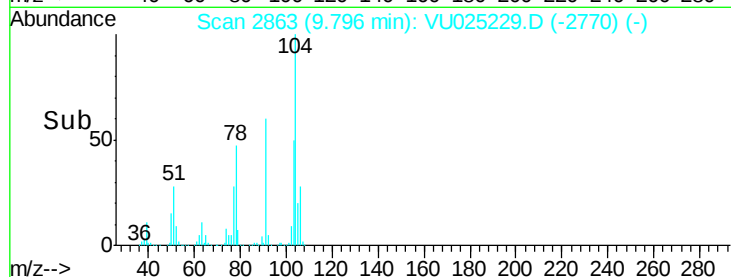
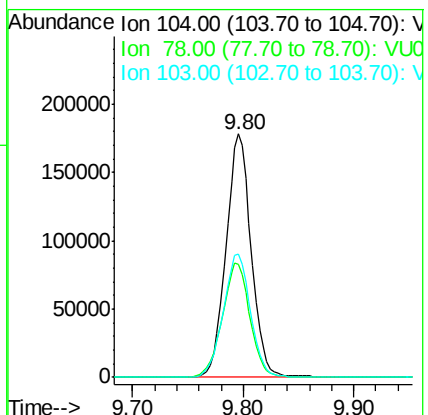
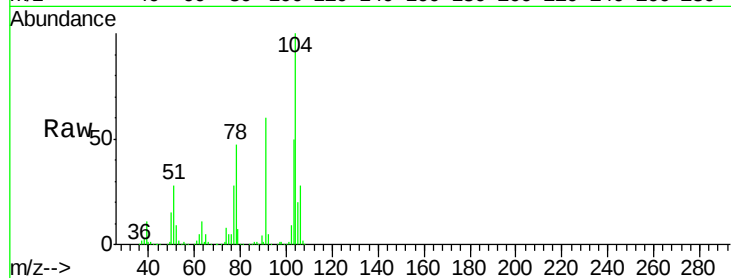




#70
Stvrene
Concen: 41.42 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

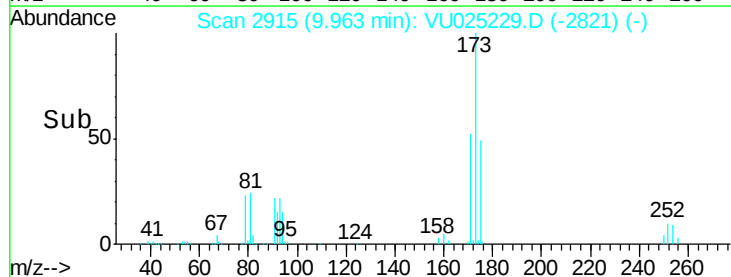
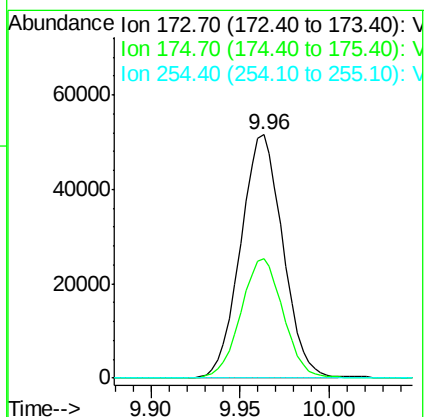
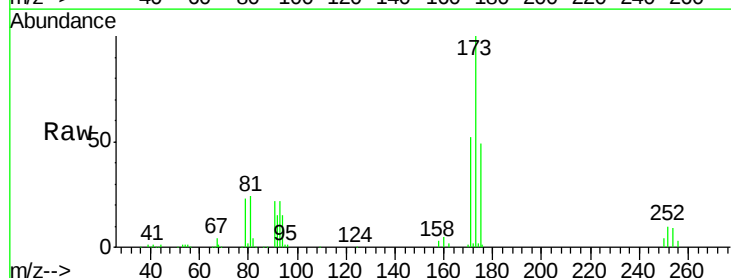
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

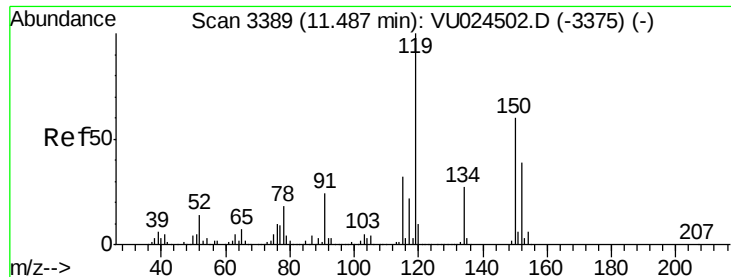
Tot Ion:104 Resp: 281662
Ion Ratio Lower Upper
104 100
78 51.4 40.6 60.8
103 55.1 44.7 67.1



#71
Bromoform
Concen: 38.12 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025229.D
Acq: 05 Jul 2018 20:43

Tgt Ion:173 Resp: 85494
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.0 0.0 0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

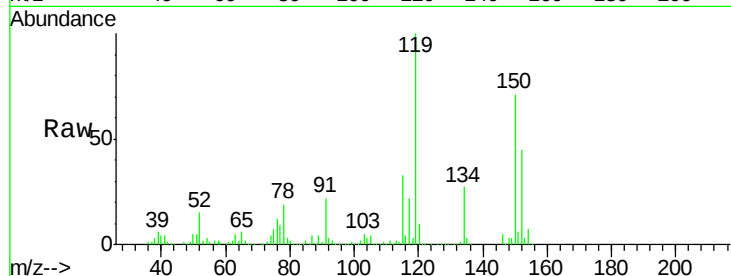
Tot Ion:152 Resp: 142723

Ion Ratio Lower Upper

152 100

115 79.1 43.0 129.0

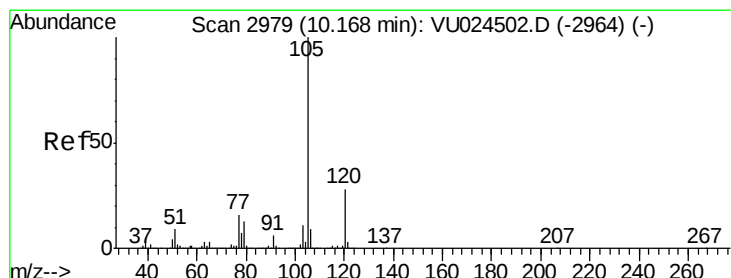
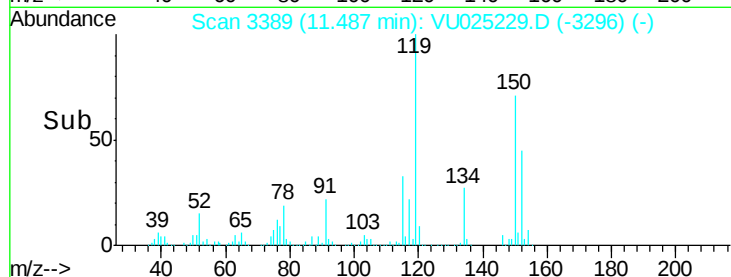
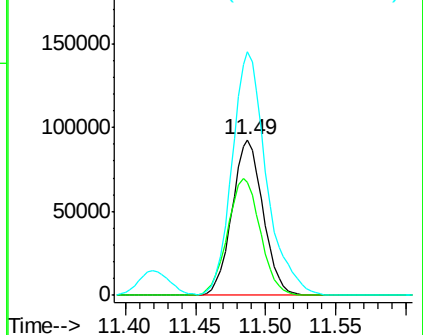
150 173.2 0.0 354.0



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: 43.24 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025229.D

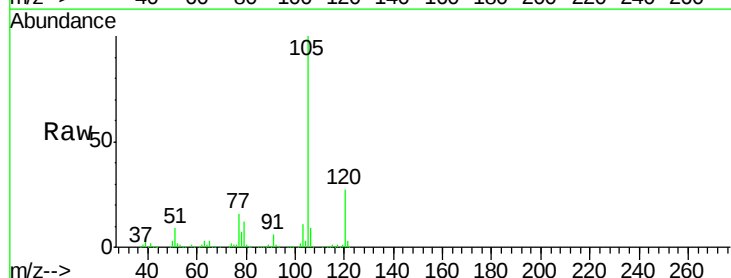
Acq: 05 Jul 2018 20:43

Tgt Ion:105 Resp: 473782

Ion Ratio Lower Upper

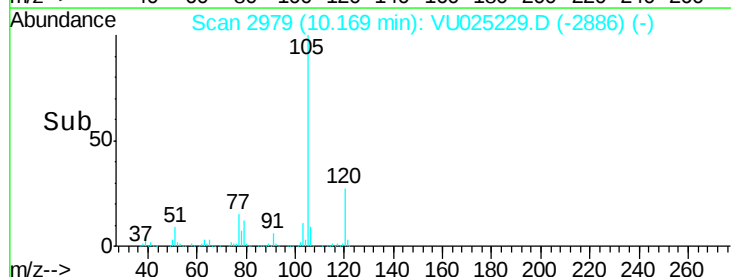
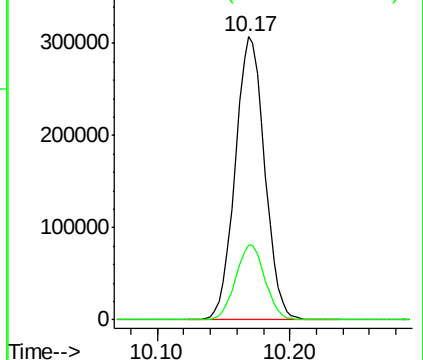
105 100

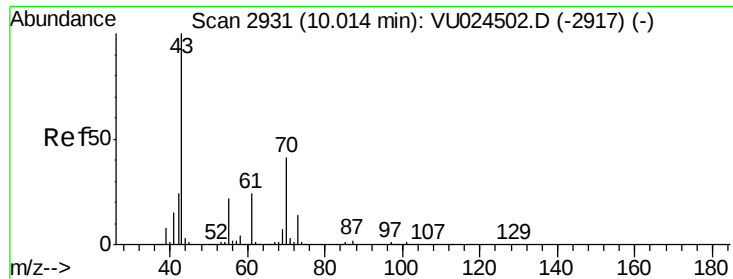
120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 38.58 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 43 Resp: 201085

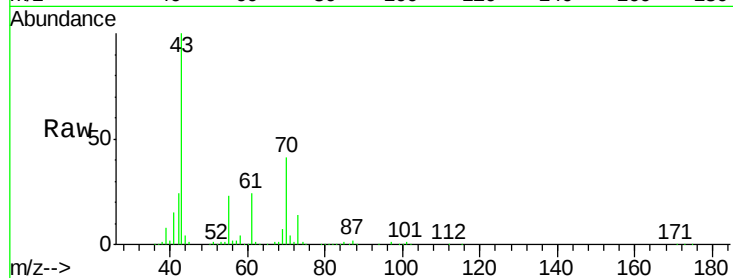
Ion Ratio Lower Upper

43 100

70 41.0 32.2 48.4

55 25.8 20.5 30.7

61 23.4 18.7 28.1

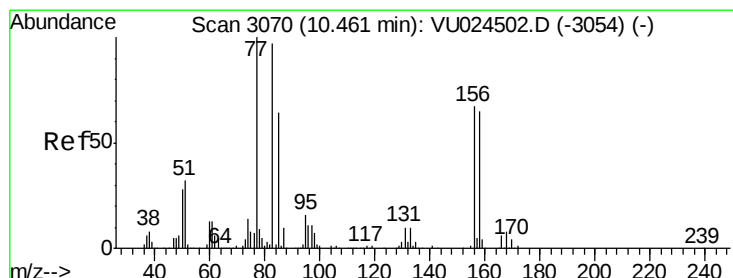
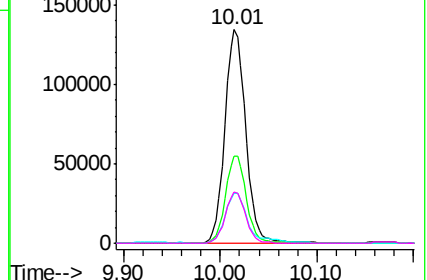
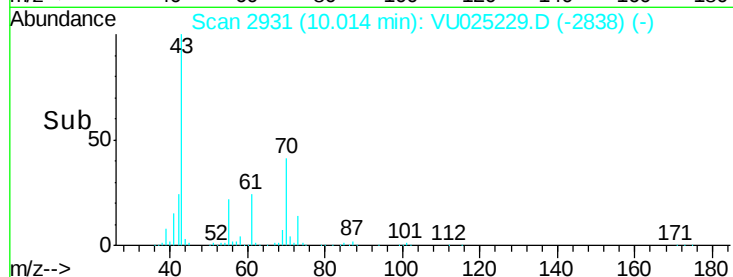


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 44.95 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

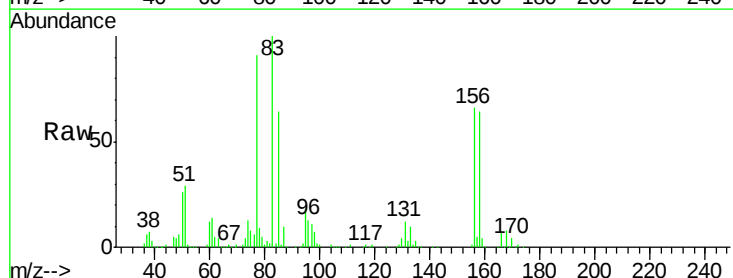
Tgt Ion: 83 Resp: 165064

Ion Ratio Lower Upper

83 100

131 11.2 4.7 14.1

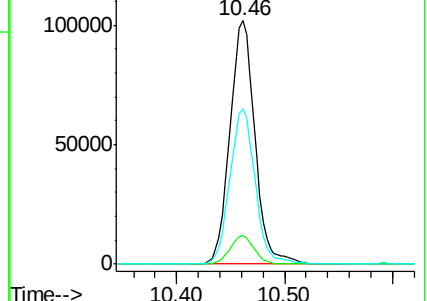
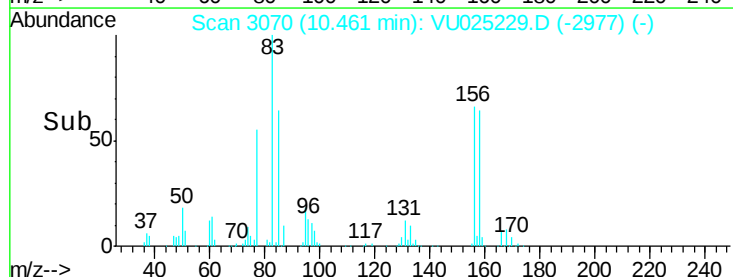
85 64.5 32.5 97.5

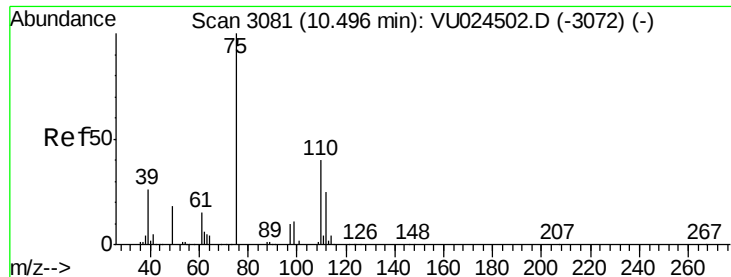


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 60.28 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

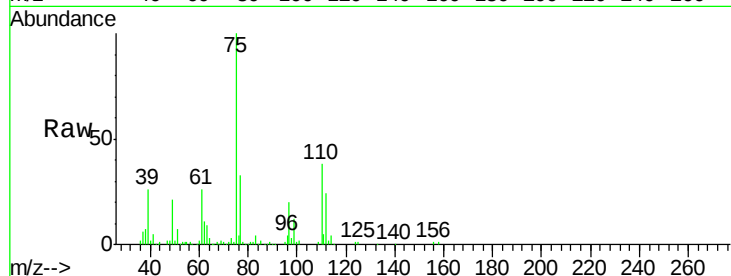
WP021MW470-180628MSD

Tot Ion: 75 Resp: 189429

Ion Ratio Lower Upper

75 100

77 30.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

120000

100000

80000

60000

40000

20000

0

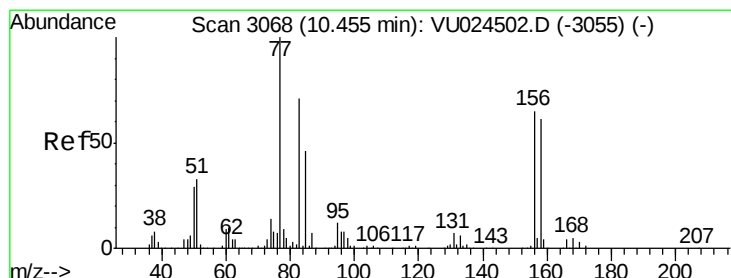
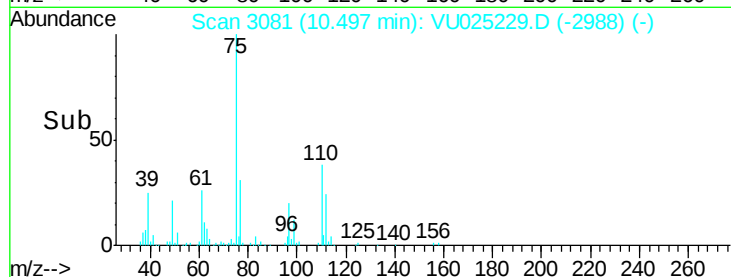
10.45

10.50

10.55

10.60

Time-->



#77

Bromobenzene

Concen: 43.35 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

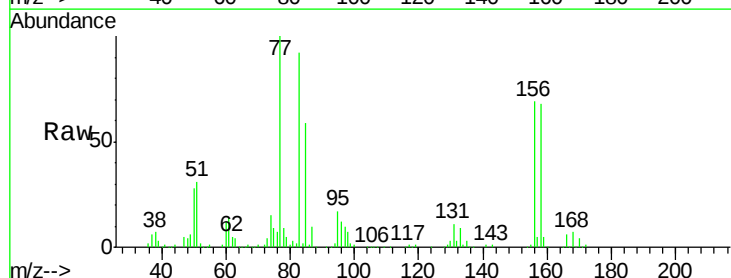
Tgt Ion: 156 Resp: 120253

Ion Ratio Lower Upper

156 100

77 149.3 80.5 241.3

158 99.2 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V

150000

100000

50000

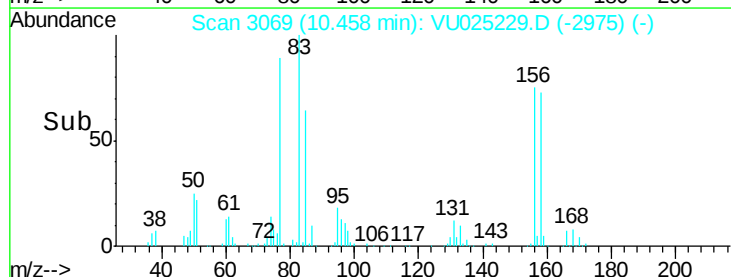
0

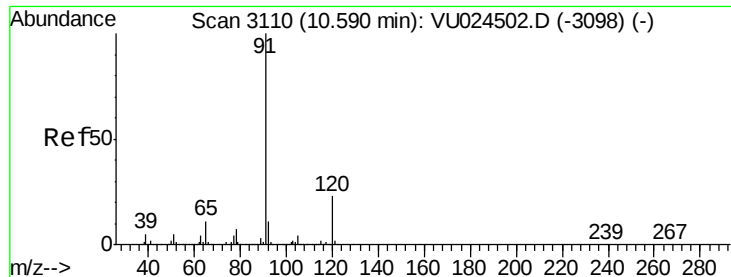
10.40

10.46

10.50

Time-->





#78

n-propylbenzene

Concen: 41.01 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

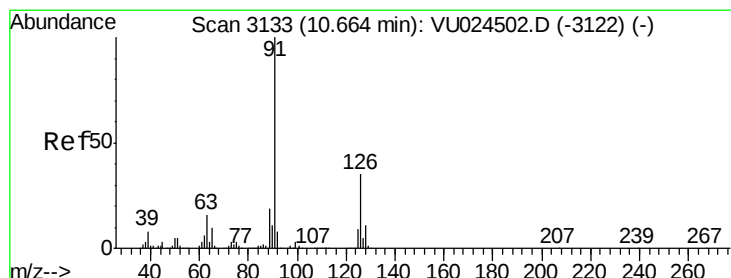
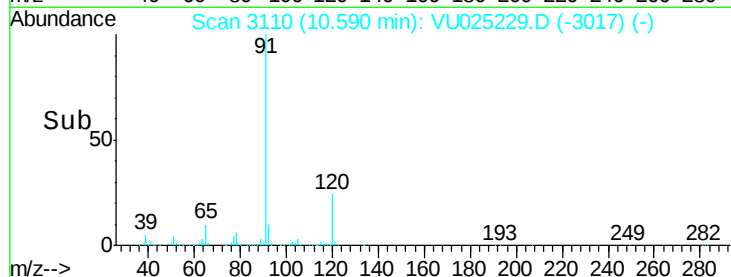
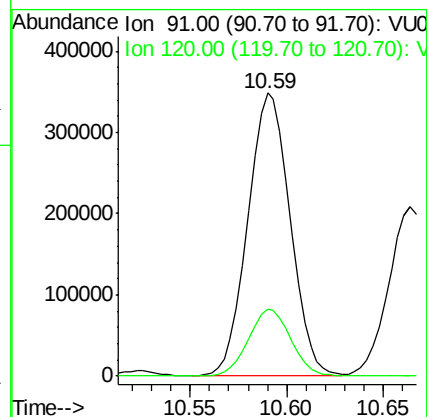
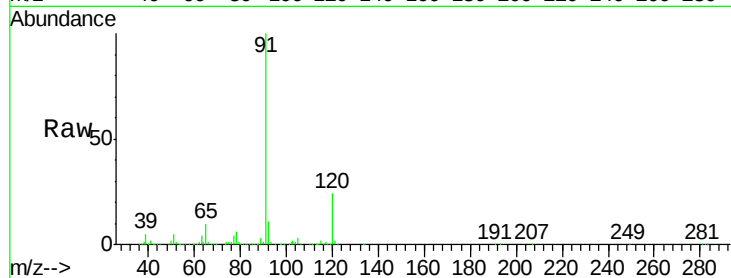
WP021MW470-180628MSD

Tot Ion: 91 Resp: 529333

Ion Ratio Lower Upper

91 100

120 23.8 11.2 33.5



#79

2-Chlorotoluene

Concen: 42.71 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025229.D

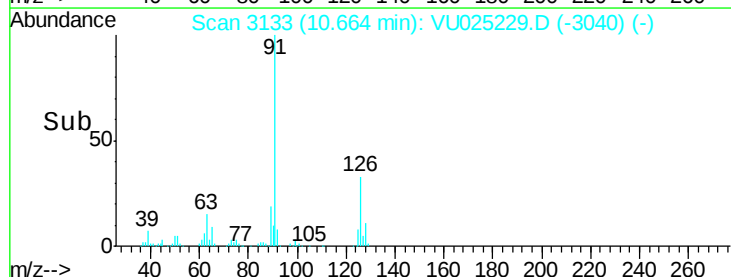
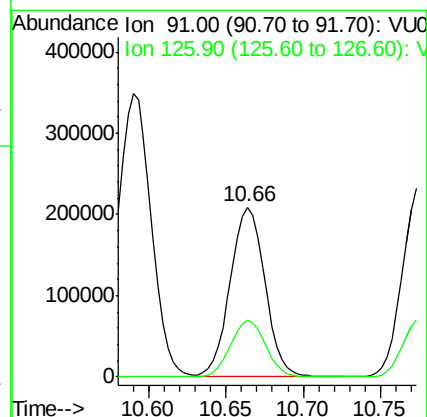
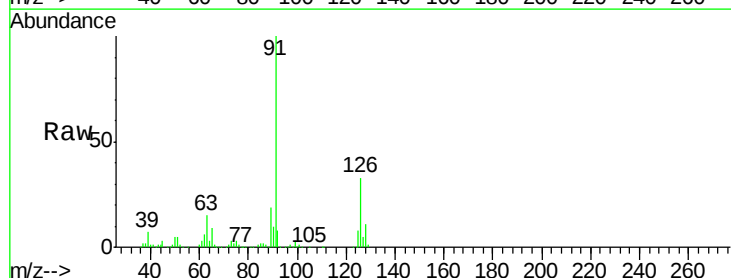
Acq: 05 Jul 2018 20:43

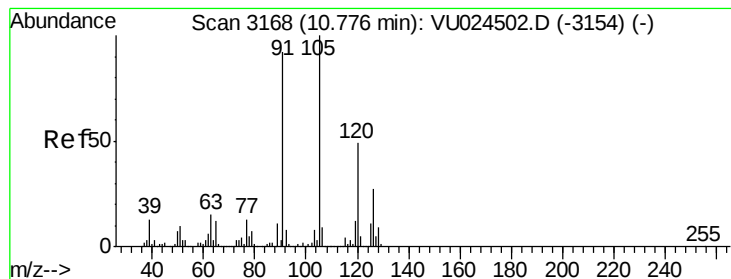
Tgt Ion: 91 Resp: 325121

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 42.63 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

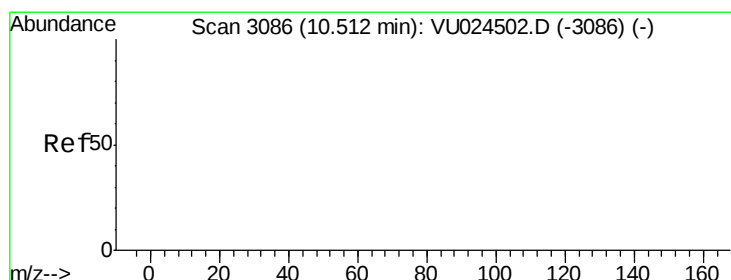
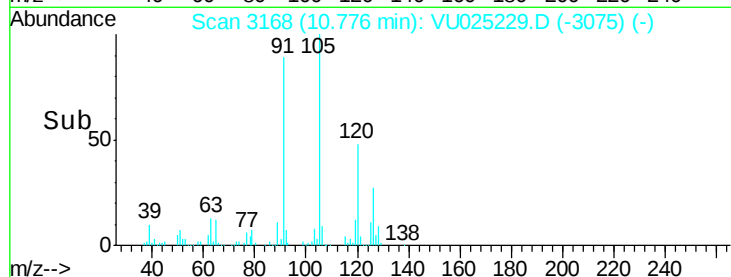
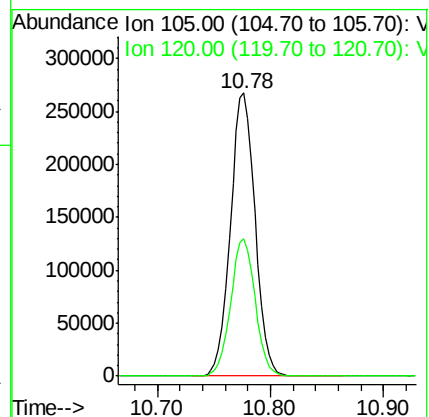
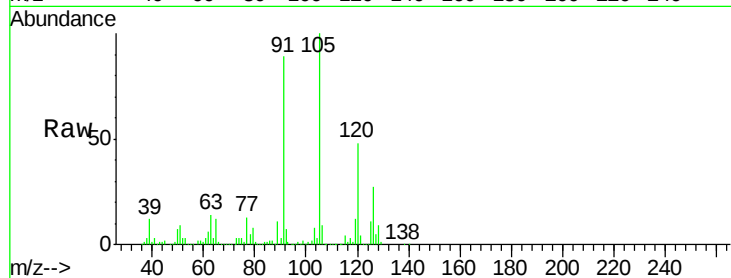
WP021MW470-180628MSD

Tot Ion:105 Resp: 404893

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 139.52 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

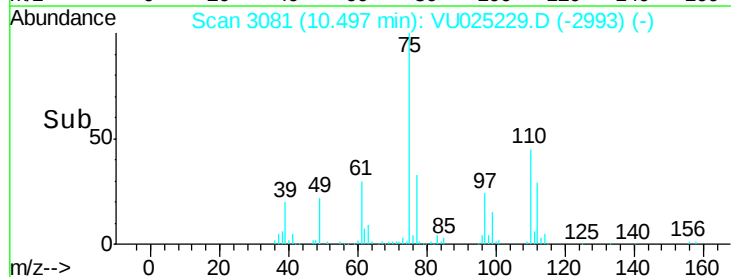
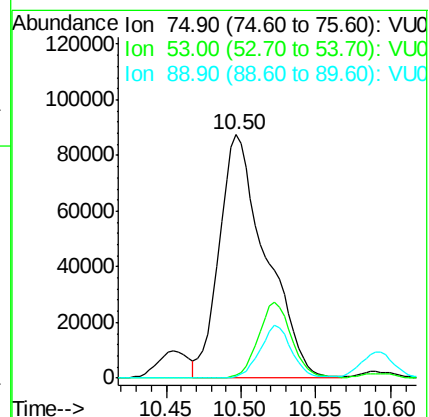
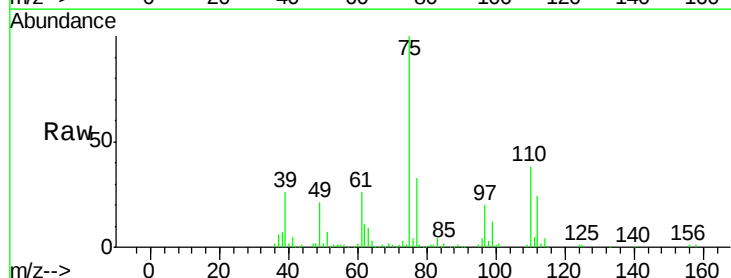
Tgt Ion: 75 Resp: 189429

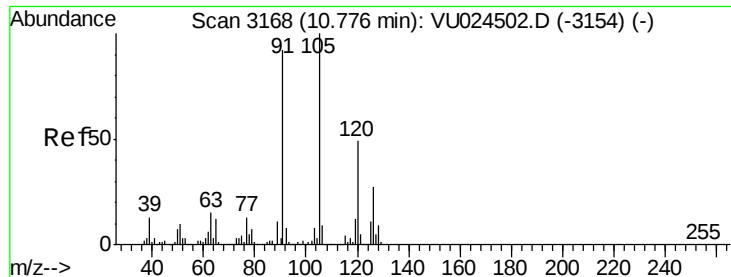
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 41.52 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

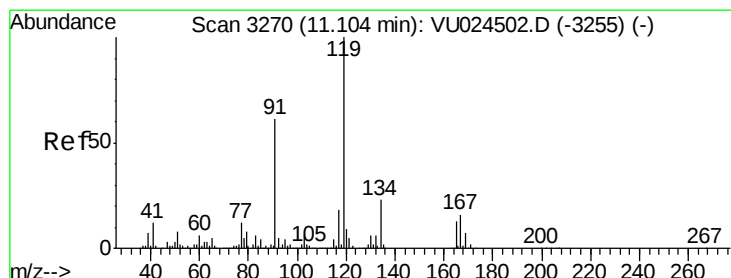
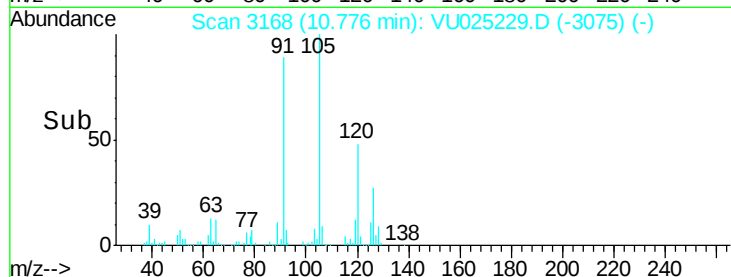
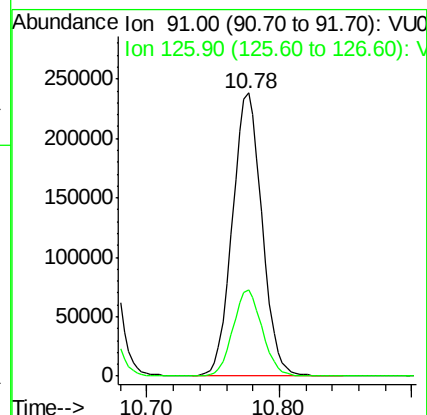
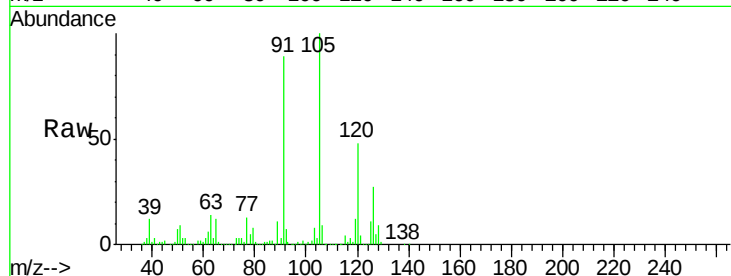
WP021MW470-180628MSD

Tot Ion: 91 Resp: 367817

Ion Ratio Lower Upper

91 100

126 30.1 14.9 44.9



#83

tert-Butylbenzene

Concen: 46.30 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

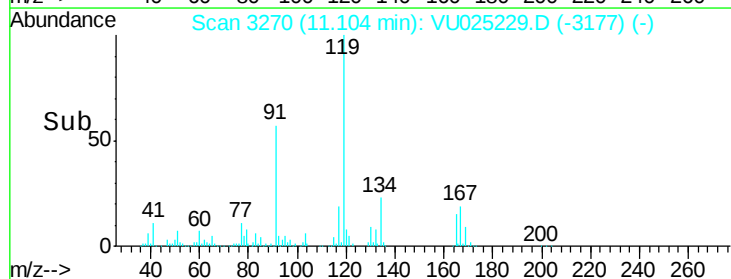
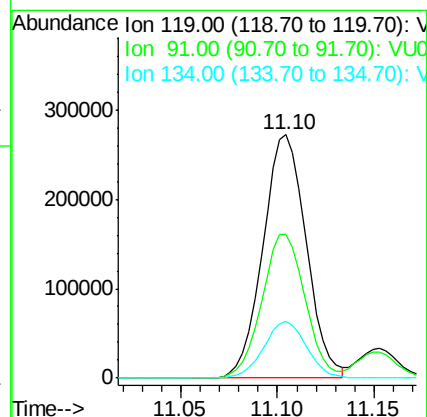
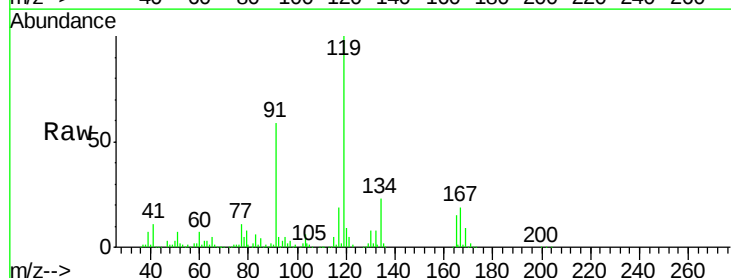
Tgt Ion: 119 Resp: 423038

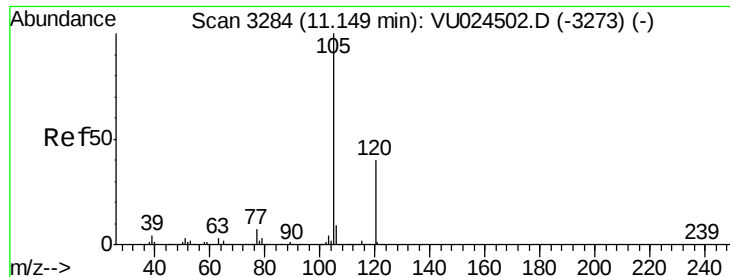
Ion Ratio Lower Upper

119 100

91 59.3 29.7 89.1

134 23.0 11.6 34.7

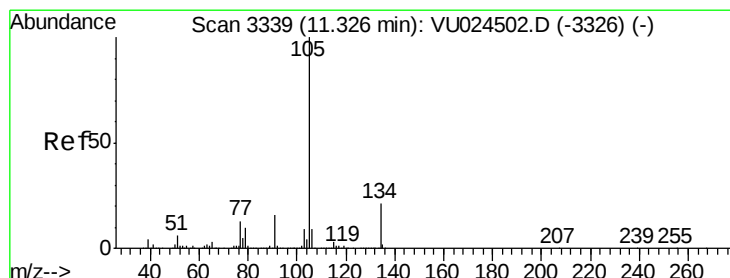
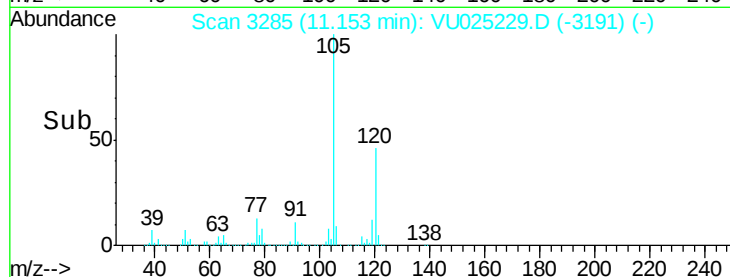
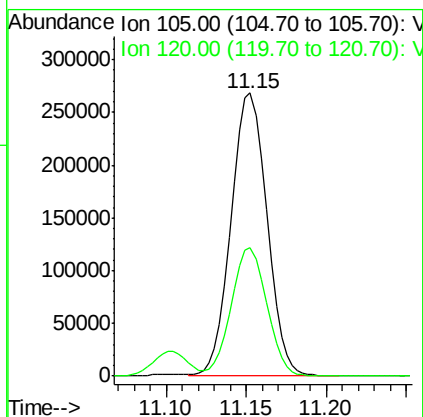
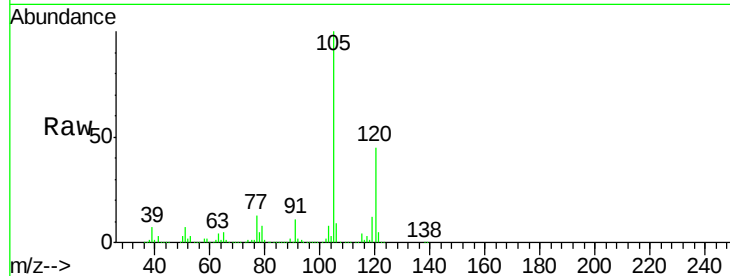




#84
 1,2,4-Trimethylbenzene
 Concen: 42.29 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

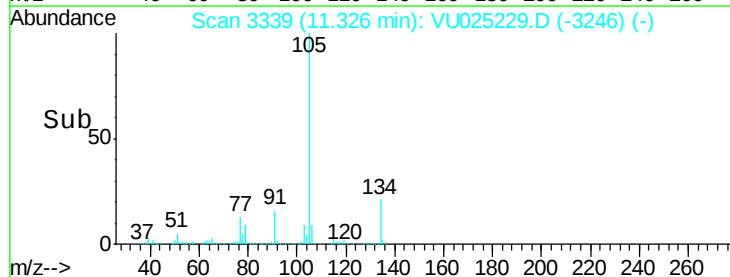
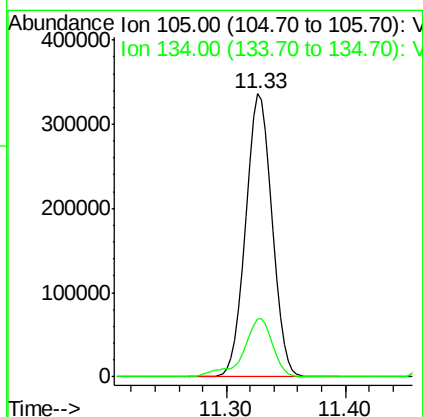
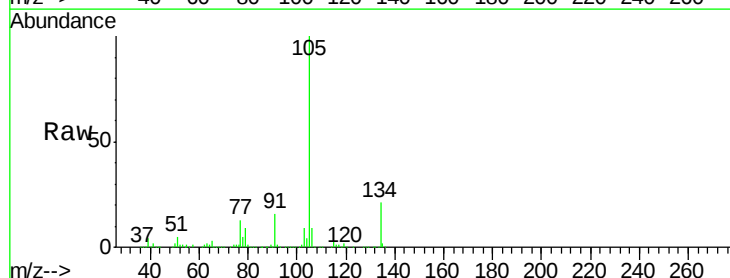
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

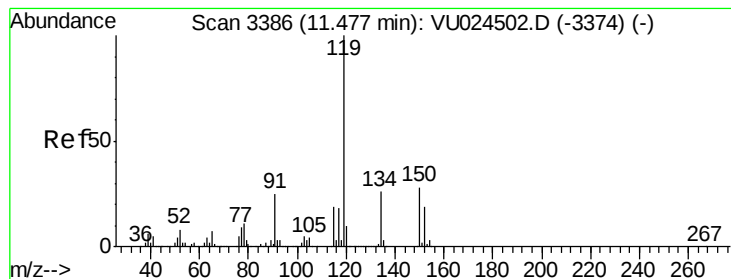
Tot Ion:105 Resp: 409298
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 45.07 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion:105 Resp: 515401
 Ion Ratio Lower Upper
 105 100
 134 23.1 9.7 29.1





#86

p-Isopropyltoluene

Concen: 41.28 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

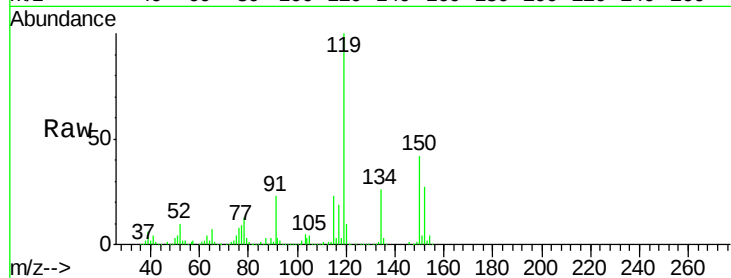
Tot Ion:119 Resp: 422802

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

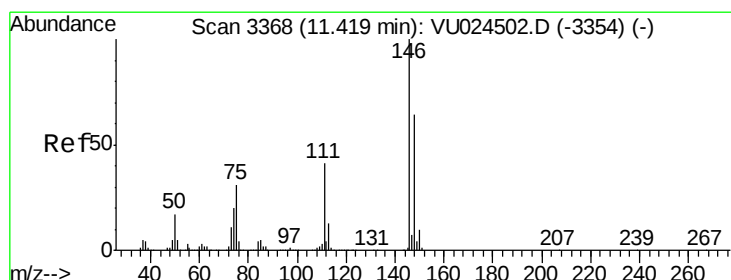
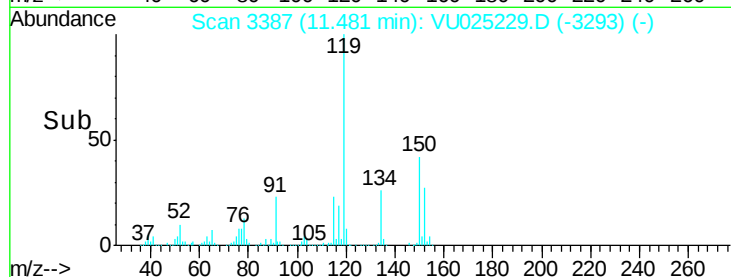
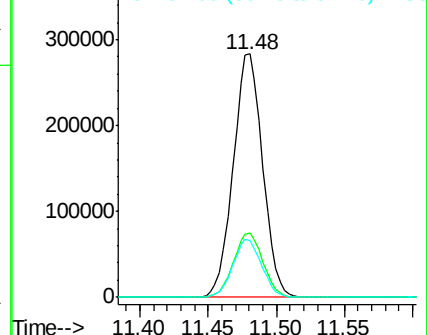
91 23.4 12.0 36.1



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): V



#87

1,3-Dichlorobenzene

Concen: 43.83 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

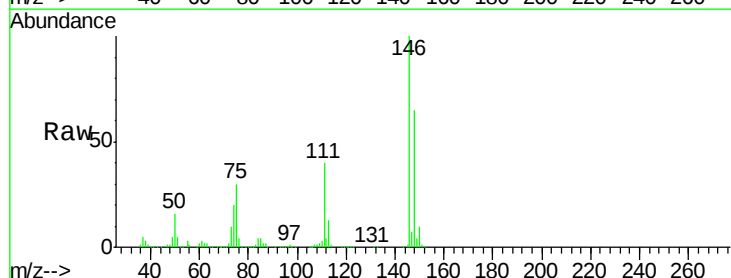
Tgt Ion:146 Resp: 224619

Ion Ratio Lower Upper

146 100

111 39.7 20.0 60.0

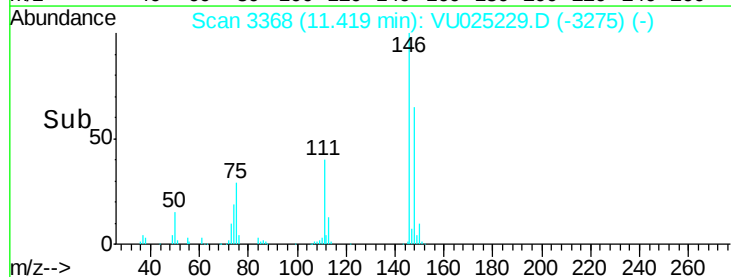
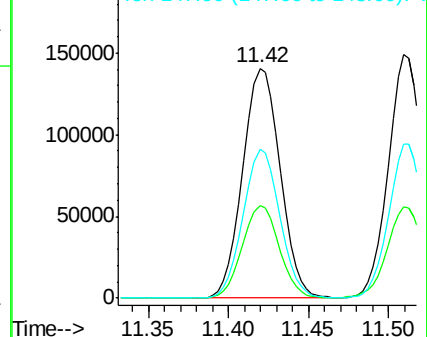
148 63.5 32.1 96.5

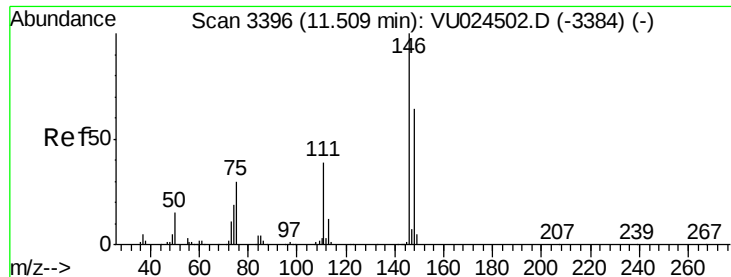


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

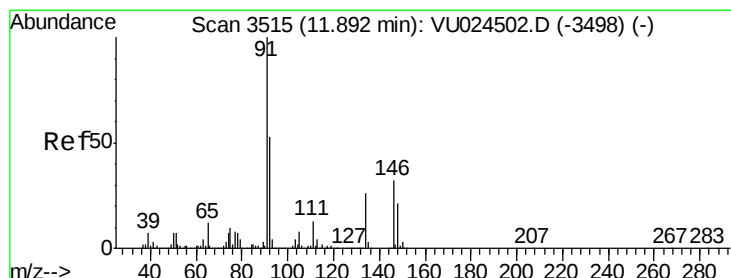
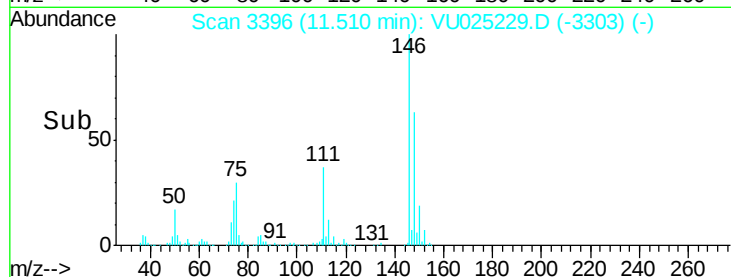
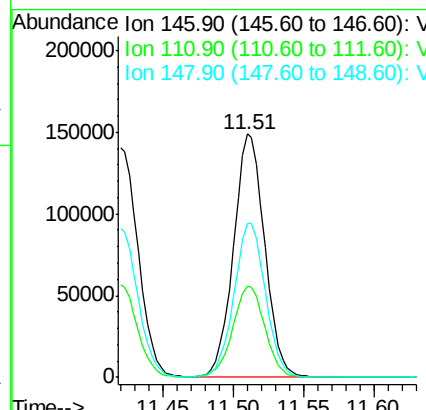
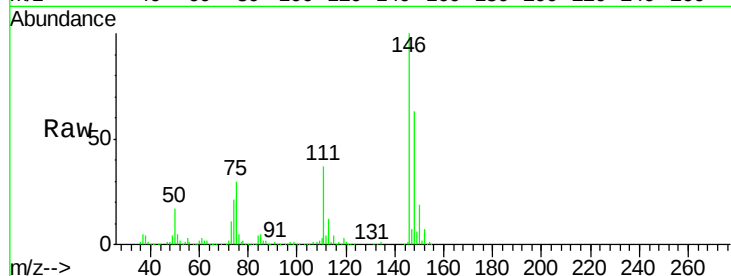




#88
 1,4-Dichlorobenzene
 Concen: 44.48 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

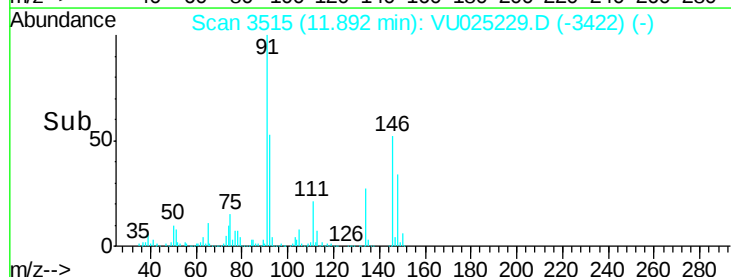
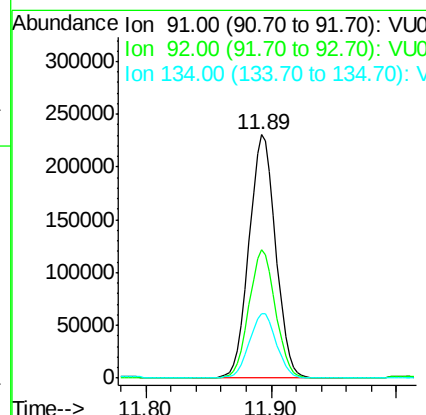
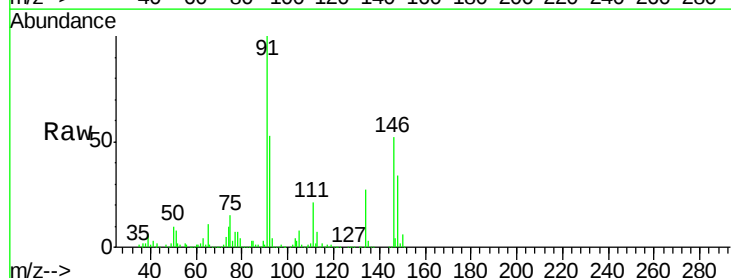
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

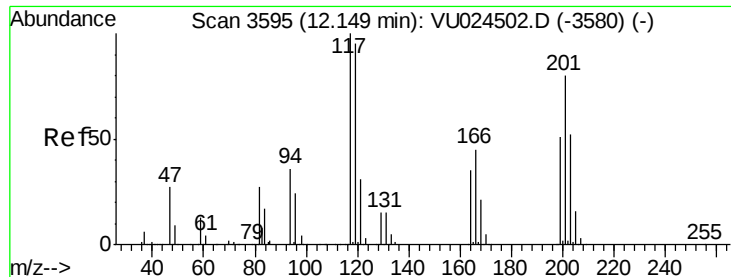
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.4	32.4	97.0



#89
 n-Butylbenzene
 Concen: 37.52 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	27.0	12.3	36.8





#90

Hexachloroethane

Concen: 38.29 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

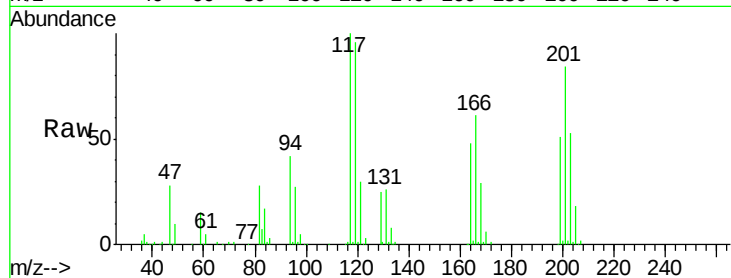
WP021MW470-180628MSD

Tot Ion:117 Resp: 76512

Ion Ratio Lower Upper

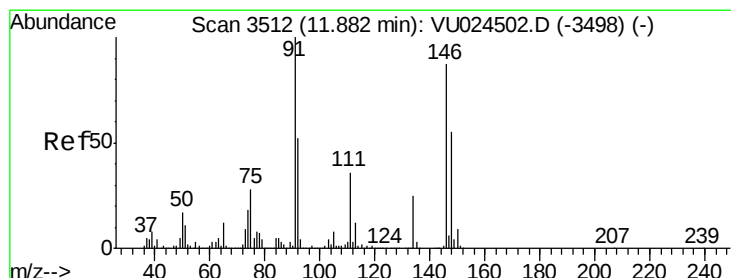
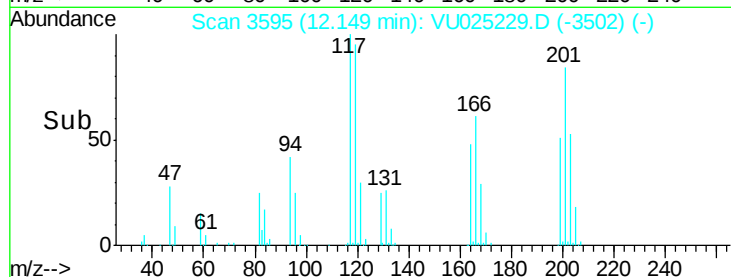
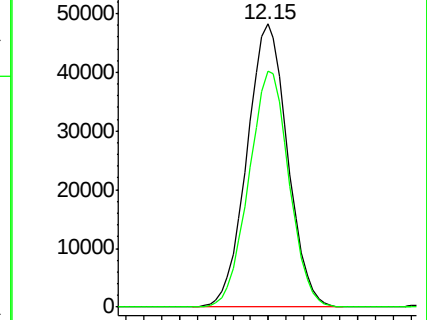
117 100

201 82.6 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 56.29 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

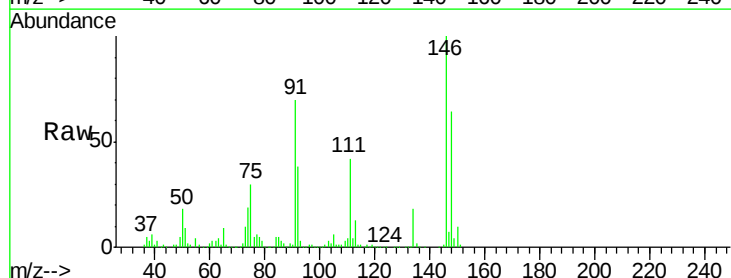
Tgt Ion:146 Resp: 288939

Ion Ratio Lower Upper

146 100

111 41.6 20.5 61.6

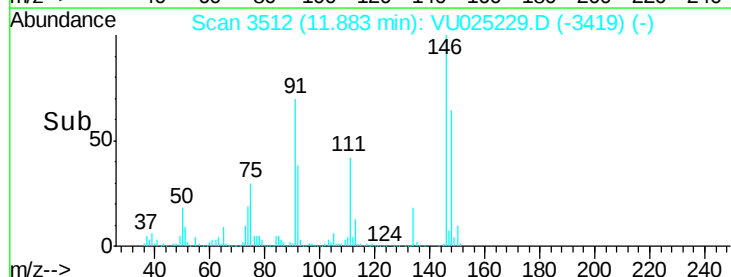
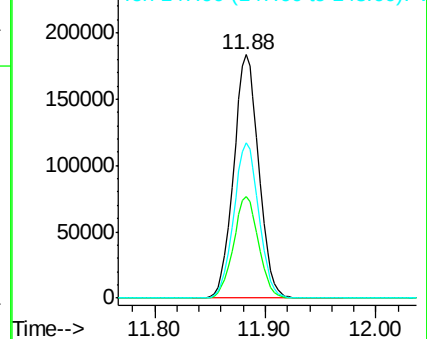
148 63.9 31.9 95.7



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

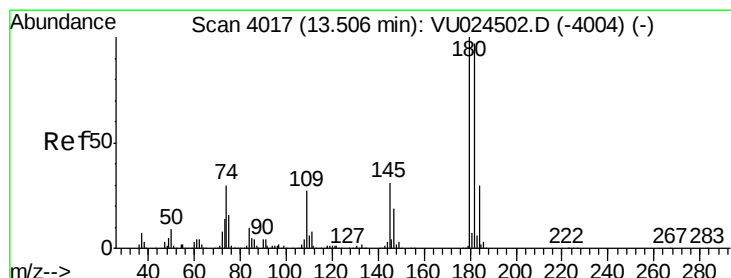
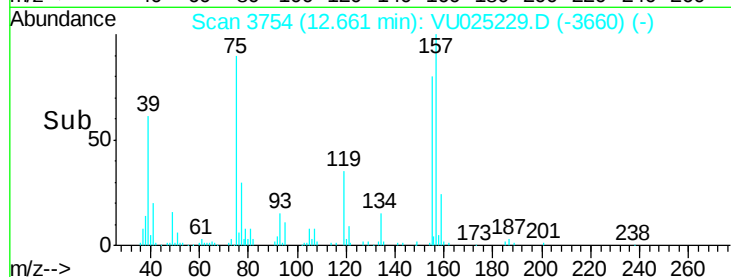
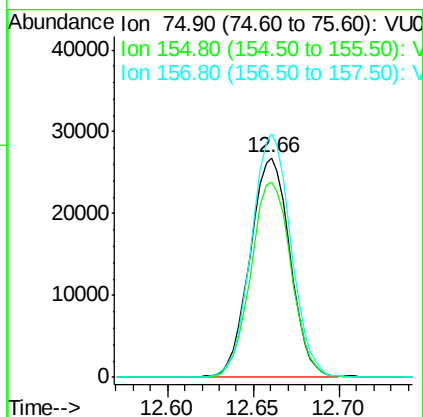
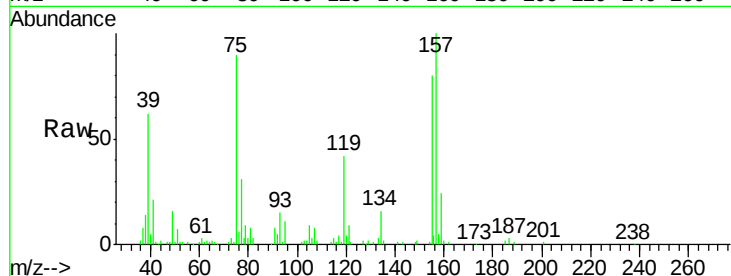




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.81 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

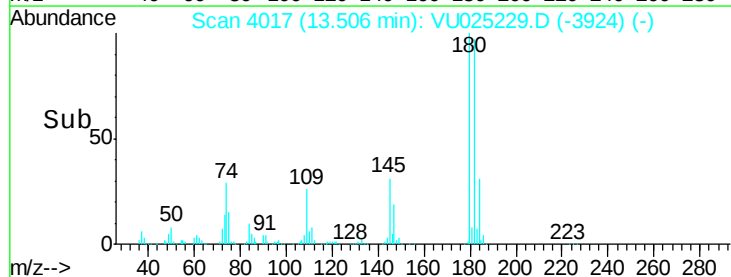
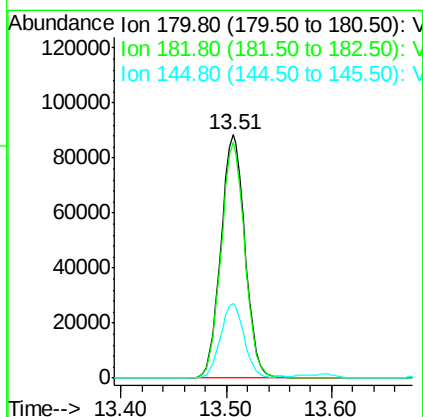
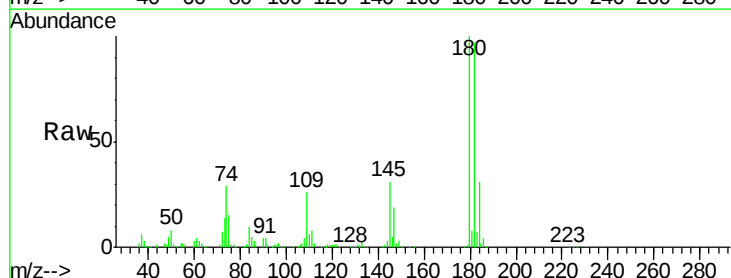
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

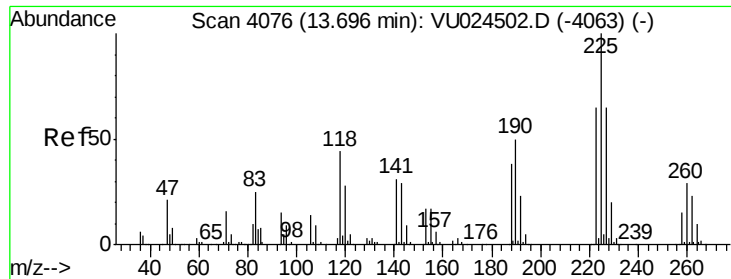
Tot Ion: 75 Resp: 43372
 Ion Ratio Lower Upper
 75 100
 155 89.4 40.4 121.2
 157 109.5 52.3 156.8



#93
 1,2,4-Trichlorobenzene
 Concen: 44.02 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Tgt Ion: 180 Resp: 139532
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 30.1 14.7 44.1





#94

Hexachlorobutadiene

Concen: 42.15 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

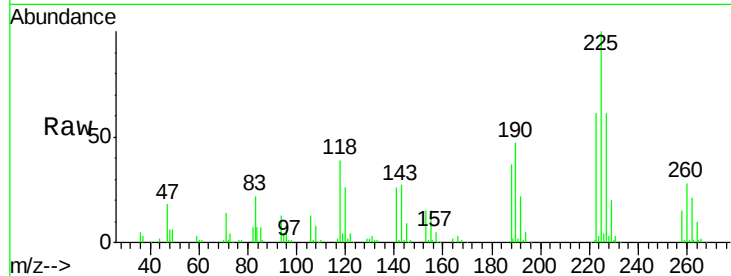
Tot Ion:225 Resp: 75199

Ion Ratio Lower Upper

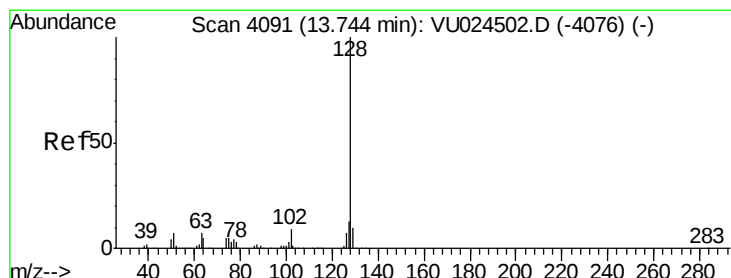
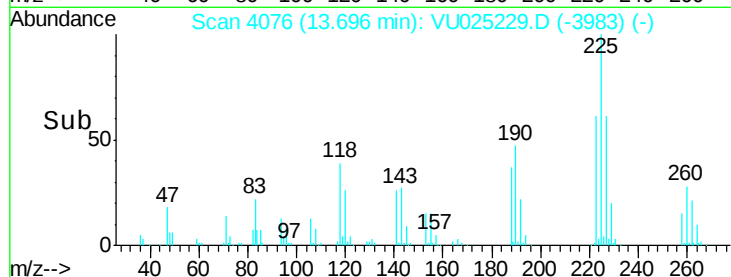
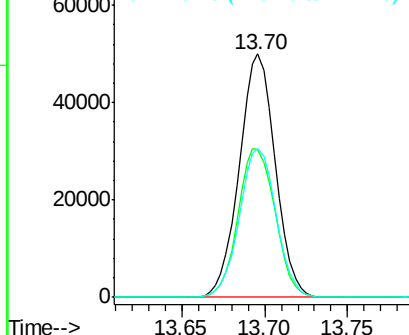
225 100

223 63.2 31.3 93.8

227 62.4 31.8 95.4



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



#95

Naphthalene

Concen: 48.15 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025229.D

Acq: 05 Jul 2018 20:43

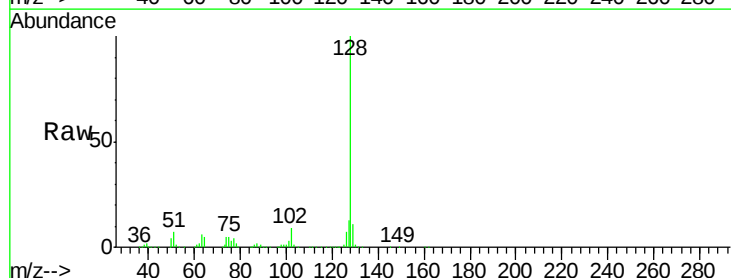
Tgt Ion:128 Resp: 505026

Ion Ratio Lower Upper

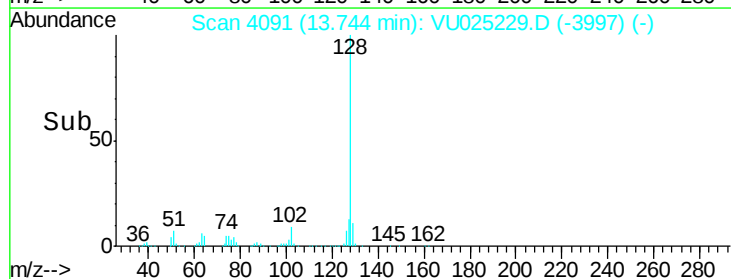
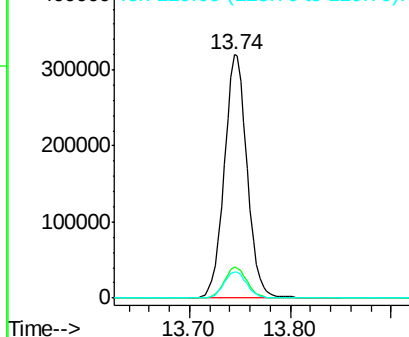
128 100

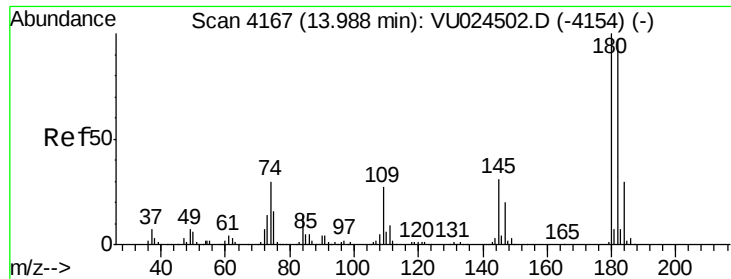
127 12.7 10.6 16.0

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

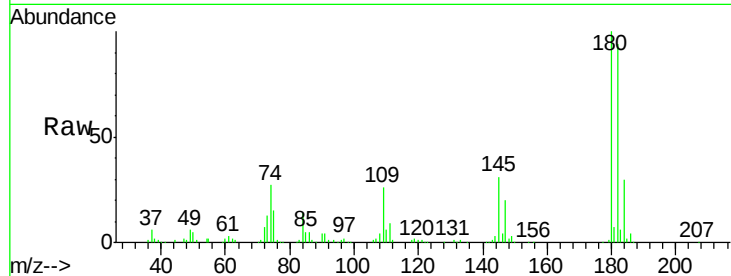




#96
 1,2,3-Trichlorobenzene
 Concen: 48.20 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU025229.D
 Acq: 05 Jul 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion:180 Resp: 152260
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.7
 145 32.6 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

