

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025228.D
 Acq On : 05 Jul 2018 20:18
 Operator : MD/SY
 Sample : J3808-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Quant Time: Jul 06 05:18:36 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	163228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249396	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	237195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	121041	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	
35) Dibromofluoromethane	4.89	113	104814	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	7.57	98	321702	42.61	ug/l	0.00
Spiked Amount			Recovery	=	85.22%	
62) 4-Bromofluorobenzene	10.31	95	139411	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	83110	40.68	ug/l	97
3) Chloromethane	1.33	50	98681	47.28	ug/l	99
4) Vinyl Chloride	1.40	62	108753	50.52	ug/l	97
5) Bromomethane	1.62	94	61238	58.85	ug/l	99
6) Chloroethane	1.69	64	66281	55.21	ug/l	99
7) Trichlorofluoromethane	1.89	101	160385	48.82	ug/l	100
8) Diethyl Ether	2.10	74	63474	57.04	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	97136	47.66	ug/l	97
10) Methyl Iodide	2.41	142	112320	63.52	ug/l	97
11) Tert butyl alcohol	2.83	59	173116	267.12	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91477	49.22	ug/l	96
13) Acrolein	2.19	56	96656	284.01	ug/l	99
14) Allyl chloride	2.59	41	157684	45.69	ug/l	100
15) Acrylonitrile	2.93	53	343947	272.77	ug/l	99
16) Acetone	2.32	43	326947	228.35	ug/l	97
17) Carbon Disulfide	2.48	76	251588	42.27	ug/l	100
18) Methyl Acetate	2.62	43	201026	65.49	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	382152	54.70	ug/l	94
20) Methylene Chloride	2.70	84	113289	50.43	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	103439	50.53	ug/l	94
22) Diisopropyl ether	3.57	45	363511	53.14	ug/l	97
23) Vinyl Acetate	3.53	43	1457224	237.80	ug/l	98
24) 1,1-Dichloroethane	3.45	63	206422	52.45	ug/l	99
25) 2-Butanone	4.26	43	496189	258.01	ug/l	97
26) 2,2-Dichloropropane	4.23	77	139282	37.27	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	152889	64.96	ug/l	95
28) Bromochloromethane	4.55	49	87109	50.25	ug/l	83
29) Tetrahydrofuran	4.64	42	313585	263.30	ug/l	96
30) Chloroform	4.68	83	216986	54.47	ug/l	99
31) Cyclohexane	5.00	56	176642	50.57	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	195555	53.09	ug/l	96
36) 1,1-Dichloropropene	5.14	75	150024	51.19	ug/l	97
37) Ethyl Acetate	4.38	43	173494	54.32	ug/l	98
38) Carbon Tetrachloride	5.14	117	174764	54.23	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	178096	48.70	ug/l	94
40) Benzene	5.39	78	490915	58.79	ug/l	100
41) Methacrylonitrile	4.54	41	101477	58.92	ug/l	98
42) 1,2-Dichloroethane	5.41	62	185196	58.23	ug/l	100
43) Isopropyl Acetate	5.55	43	284898	51.60	ug/l	99
44) Trichloroethene	6.19	130	141568	59.57	ug/l	96
45) 1,2-Dichloropropane	6.44	63	120761	54.20	ug/l	100
46) Dibromomethane	6.56	93	87092	55.65	ug/l	95
47) Bromodichloromethane	6.76	83	167199	53.65	ug/l	99
48) Methyl methacrylate	6.63	41	151284	56.27	ug/l	99
49) 1,4-Dioxane	6.61	88	66820	1270.90	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	954998	275.32	ug/l	98
52) Toluene	7.64	92	290248	54.03	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	172524	49.29	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	182250	48.87	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	121360	55.57	ug/l	98
56) Ethyl methacrylate	8.02	69	190337	52.07	ug/l	99
57) 1,3-Dichloropropane	8.25	76	206656	56.10	ug/l	98
59) 2-Hexanone	8.36	43	760919	268.70	ug/l	99
60) Dibromochloromethane	8.48	129	139649	51.28	ug/l	98
61) 1,2-Dibromoethane	8.59	107	131763	54.21	ug/l	97
64) Tetrachloroethene	8.23	164	104587	46.39	ug/l	99
65) Chlorobenzene	9.12	112	494346	81.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	125696	54.60	ug/l	98
67) Ethyl Benzene	9.25	91	568459	53.51	ug/l	98
68) m/p-Xylenes	9.38	106	441765	108.30	ug/l	97
69) o-Xylene	9.78	106	221549	54.88	ug/l	96
70) Styrene	9.80	104	351066	52.92	ug/l	99
71) Bromoform	9.96	173	108317	49.50	ug/l	# 100
73) Isopropylbenzene	10.17	105	594531	54.78	ug/l	100
74) N-amyl acetate	10.01	43	248373	48.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	203381	55.92	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	235515	75.67	ug/l	81
77) Bromobenzene	10.45	156	153667	55.93	ug/l	94
78) n-propylbenzene	10.59	91	659738	51.60	ug/l	97
79) 2-Chlorotoluene	10.66	91	402327	53.36	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	504846	53.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	235515	175.13	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	457376	52.12	ug/l	99
83) tert-Butylbenzene	11.10	119	528299	58.38	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	515519	53.77	ug/l	99
85) sec-Butylbenzene	11.33	105	626050	55.27	ug/l	93
86) p-Isopropyltoluene	11.48	119	534393	52.68	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	275696	54.31	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	281261	55.05	ug/l	99
89) n-Butylbenzene	11.89	91	423013	46.97	ug/l	96
90) Hexachloroethane	12.15	117	95301	48.16	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	334697	65.82	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53428	53.24	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	177088	56.40	ug/l	99

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

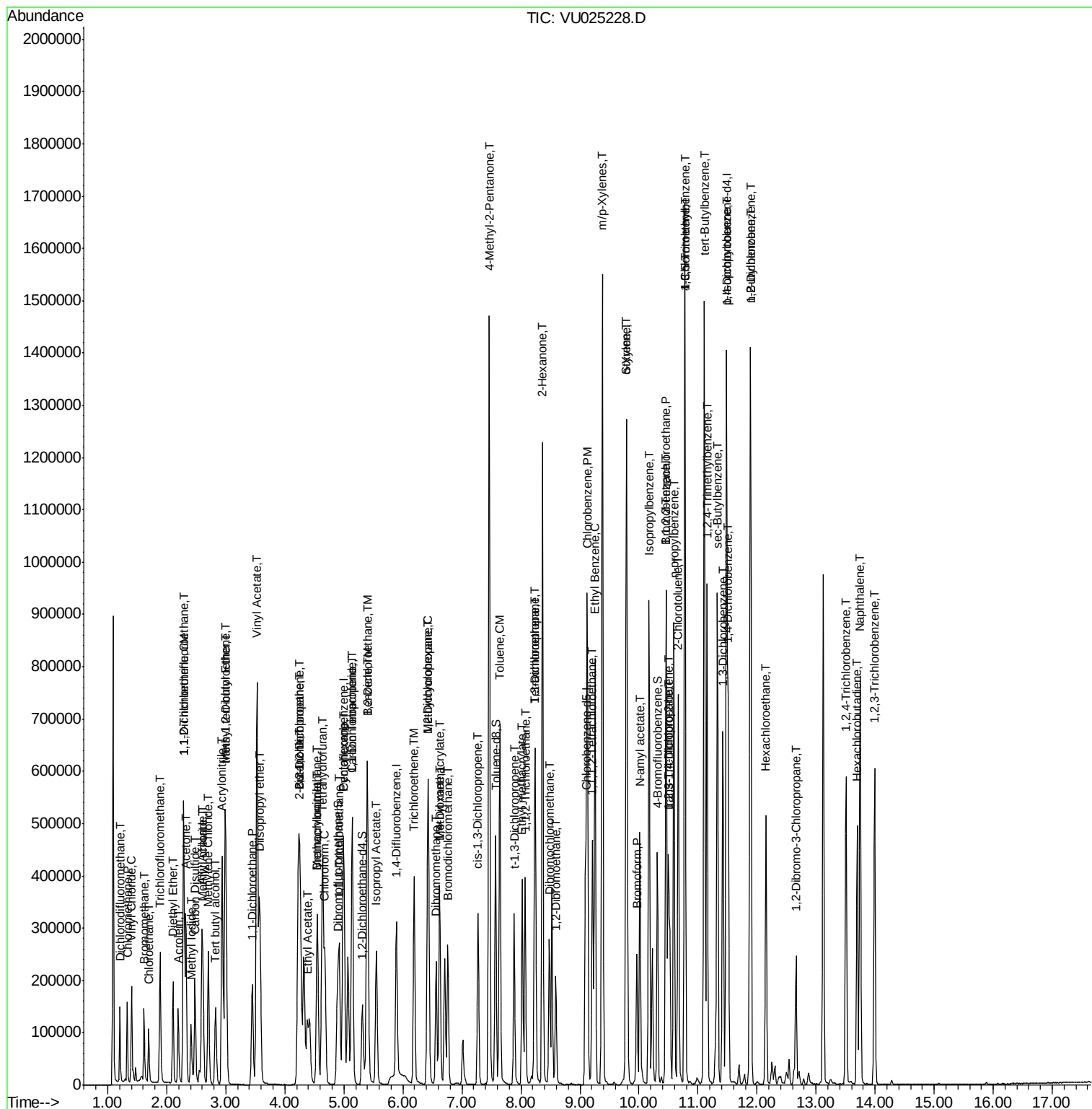
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	93487	52.90	ug/l	100
95) Naphthalene	13.75	128	619525	59.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	190532	60.90	ug/l	99

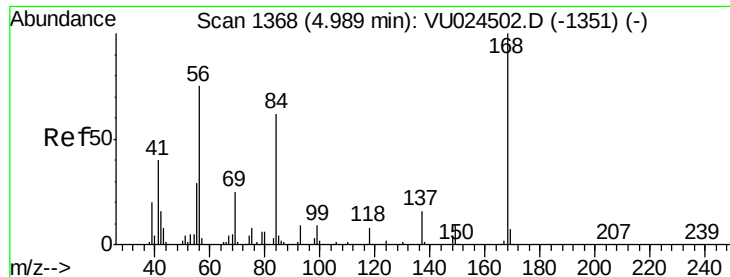
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

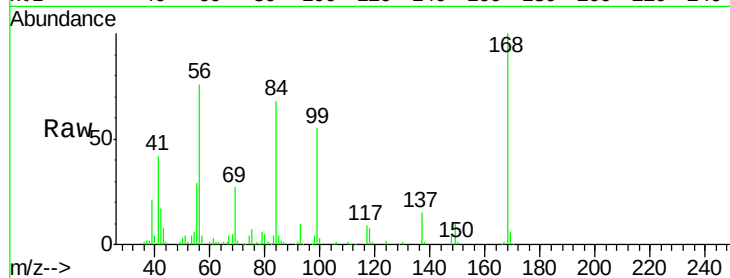
WP021MW470-180628MS

Tot Ion:168 Resp: 163228

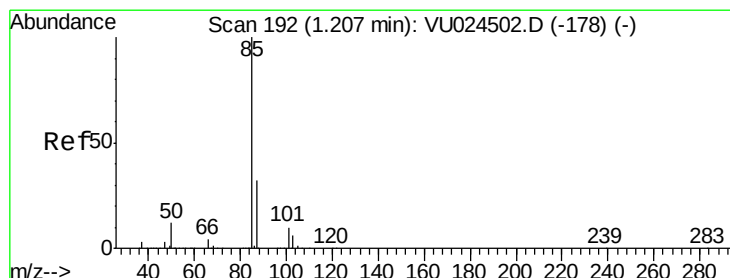
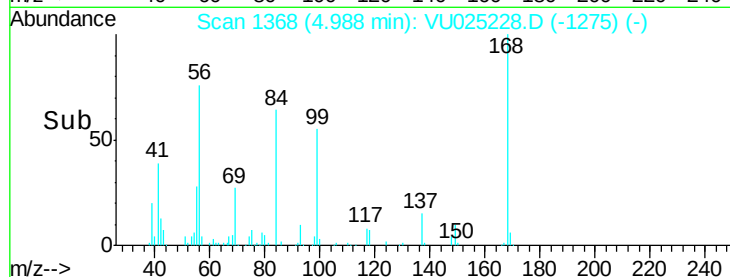
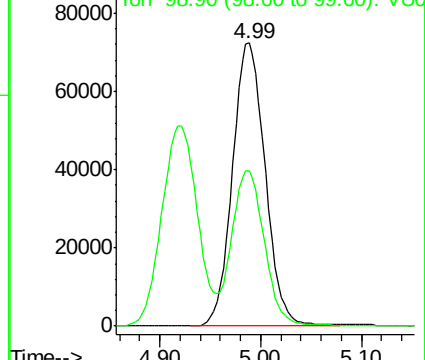
Ion Ratio Lower Upper

168 100

99 54.6 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 40.68 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025228.D

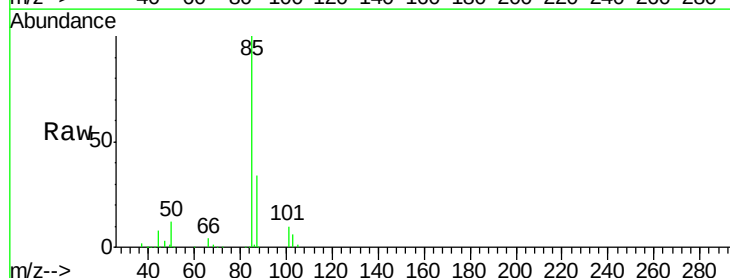
Acq: 05 Jul 2018 20:18

Tgt Ion: 85 Resp: 83110

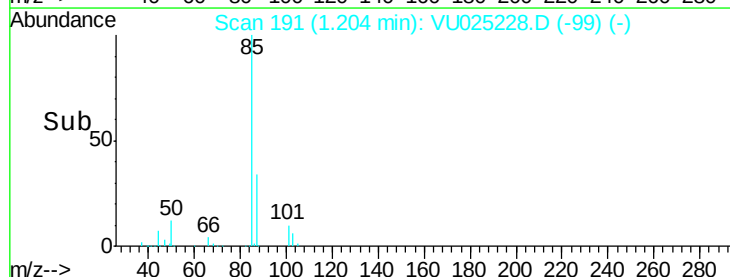
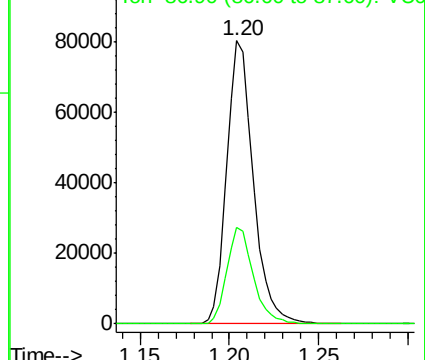
Ion Ratio Lower Upper

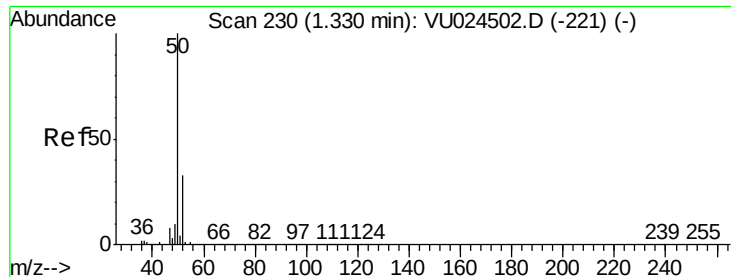
85 100

87 33.9 16.1 48.2



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





#3

Chloromethane

Concen: 47.28 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

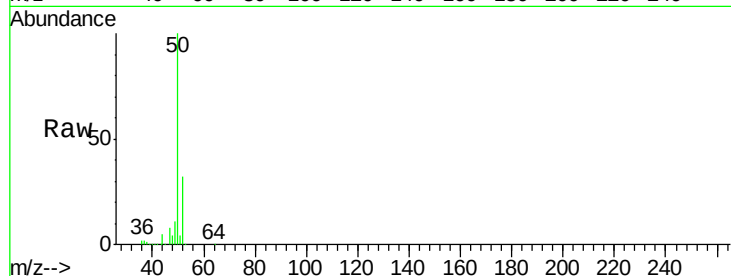
WP021MW470-180628MS

Tot Ion: 50 Resp: 98681

Ion Ratio Lower Upper

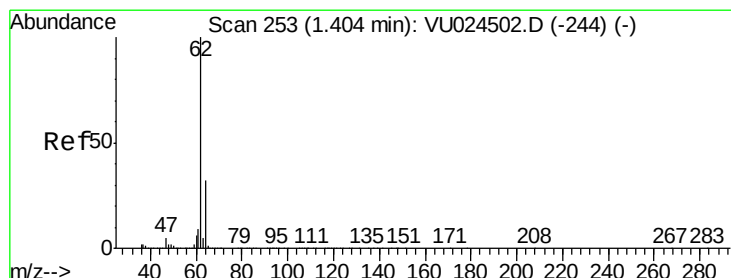
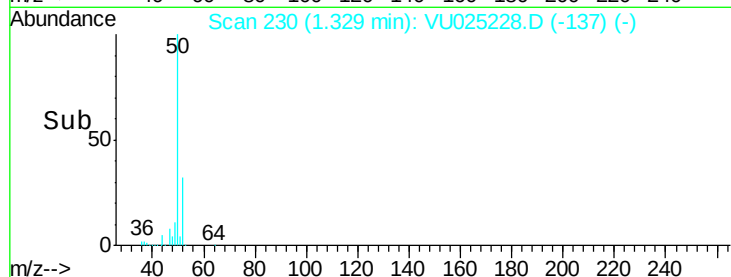
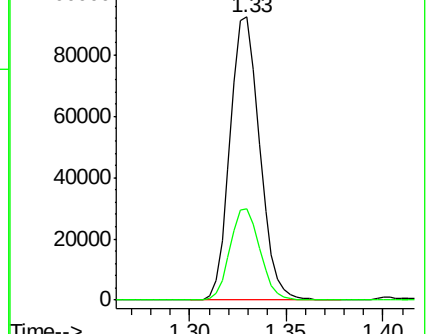
50 100

52 32.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.52 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025228.D

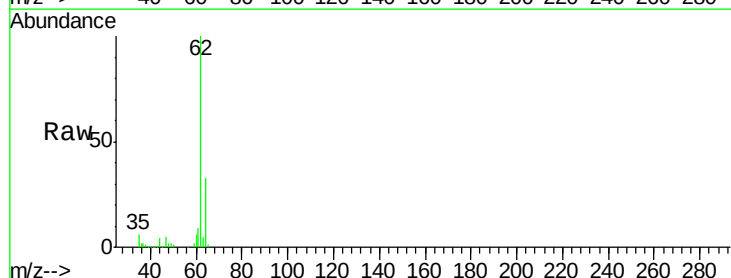
Acq: 05 Jul 2018 20:18

Tgt Ion: 62 Resp: 108753

Ion Ratio Lower Upper

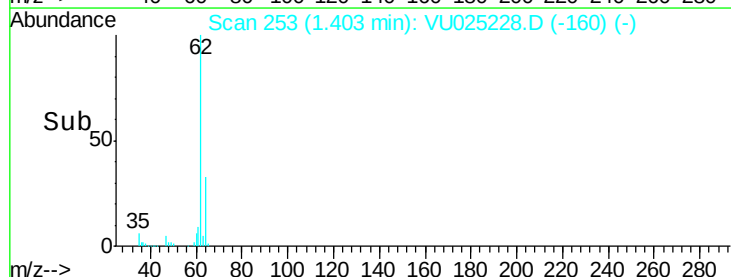
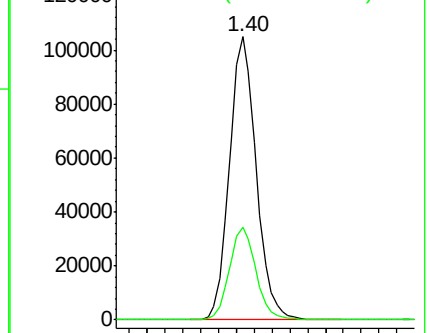
62 100

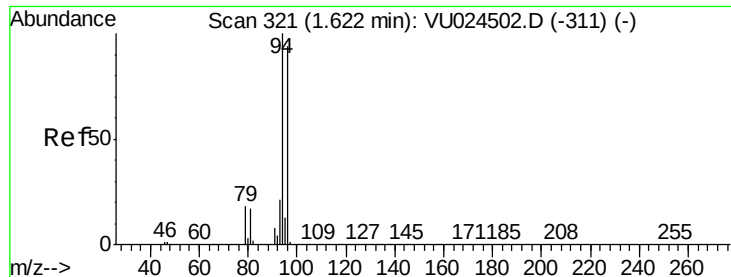
64 32.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 58.85 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

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ClientSampleId :

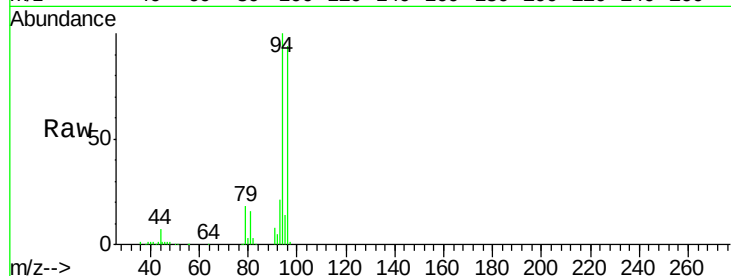
WP021MW470-180628MS

Tot Ion: 94 Resp: 61238

Ion Ratio Lower Upper

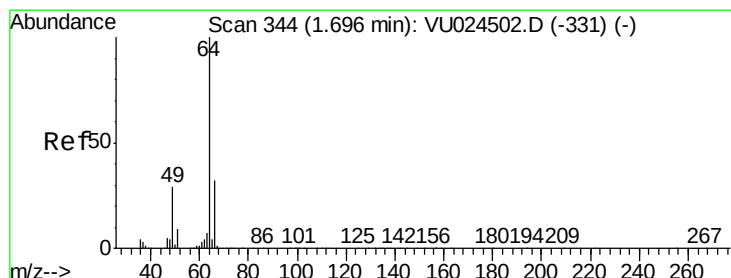
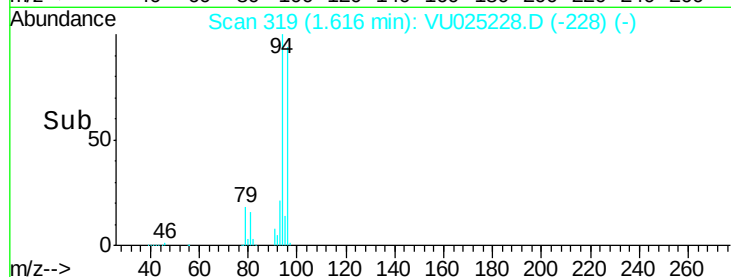
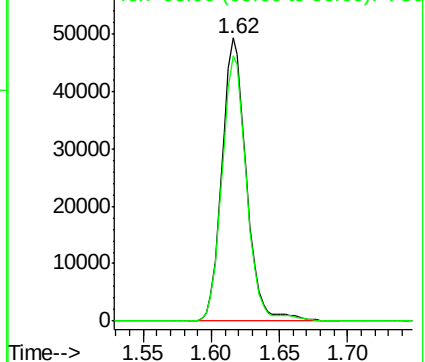
94 100

96 93.9 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: 55.21 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025228.D

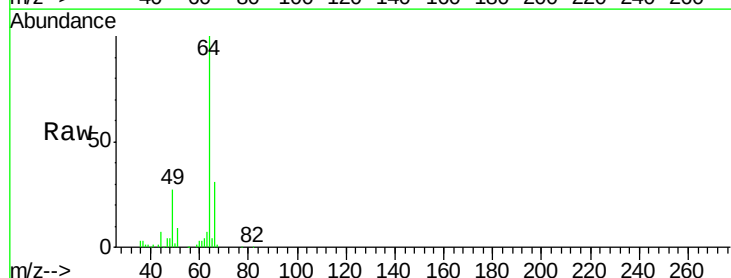
Acq: 05 Jul 2018 20:18

Tgt Ion: 64 Resp: 66281

Ion Ratio Lower Upper

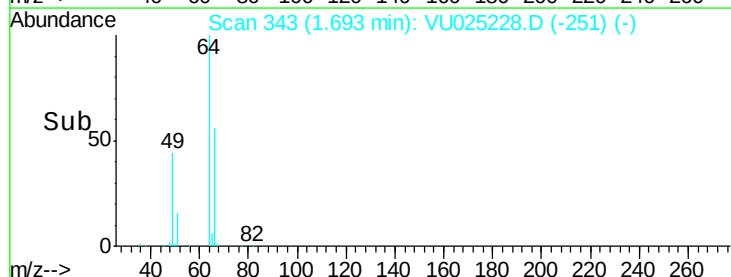
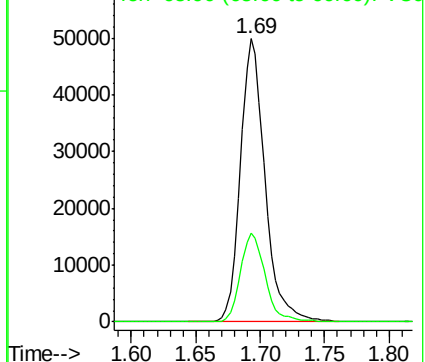
64 100

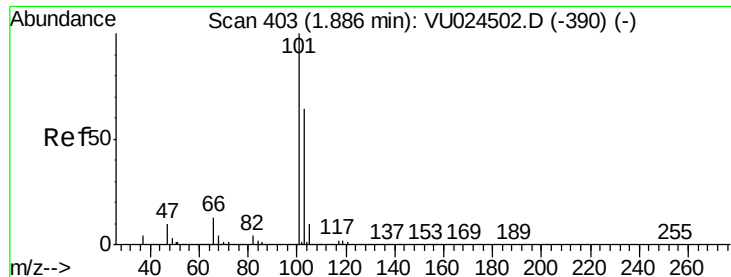
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 48.82 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025228.D

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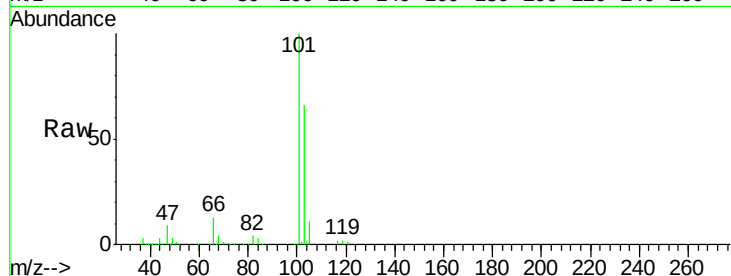
WP021MW470-180628MS

Tot Ion:101 Resp: 160385

Ion Ratio Lower Upper

101 100

103 65.6 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.89

120000

100000

80000

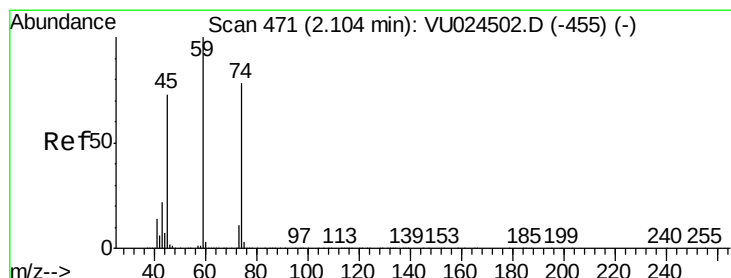
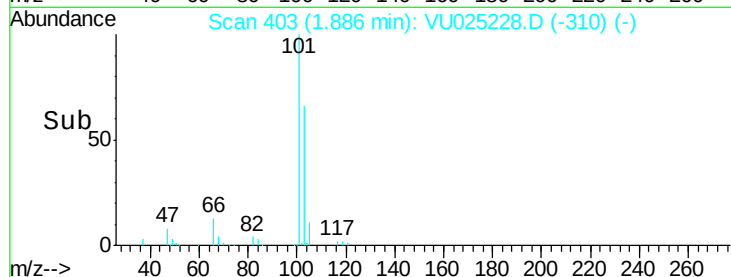
60000

40000

20000

0

Time--> 1.80 1.85 1.90 1.95



#8

Diethyl Ether

Concen: 57.04 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025228.D

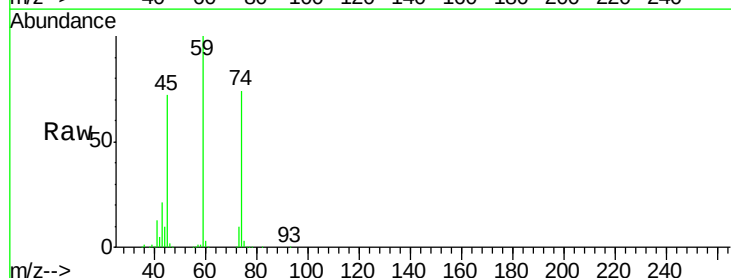
Acq: 05 Jul 2018 20:18

Tgt Ion: 74 Resp: 63474

Ion Ratio Lower Upper

74 100

45 96.4 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

50000

40000

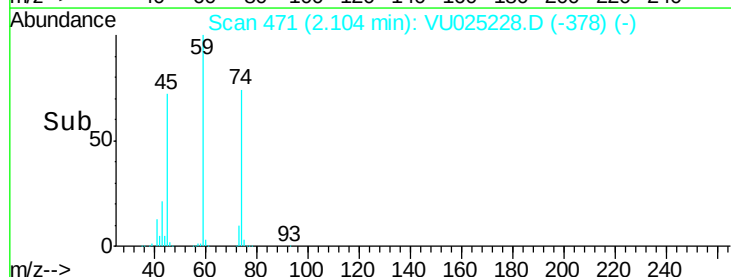
30000

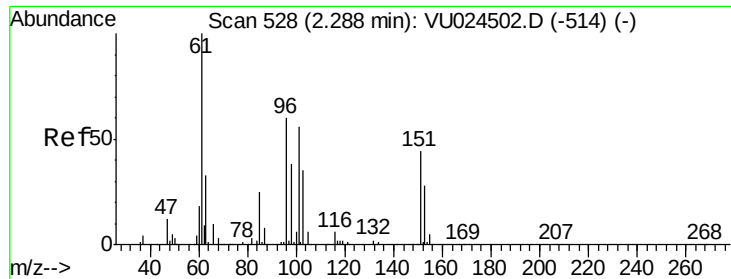
20000

10000

0

Time--> 2.05 2.10 2.15 2.20





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.66 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

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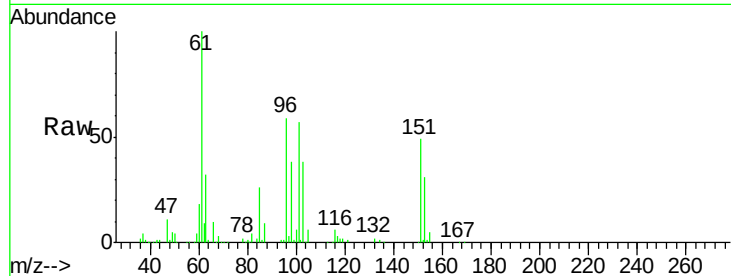
Tot Ion:101 Resp: 97136

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

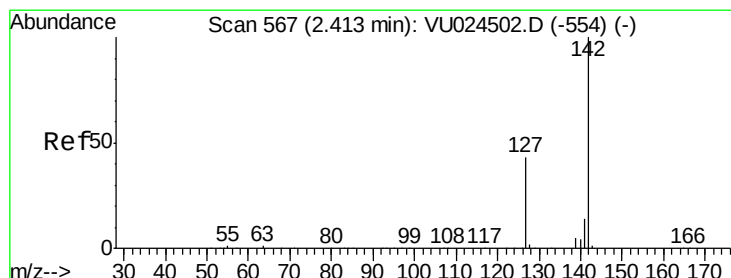
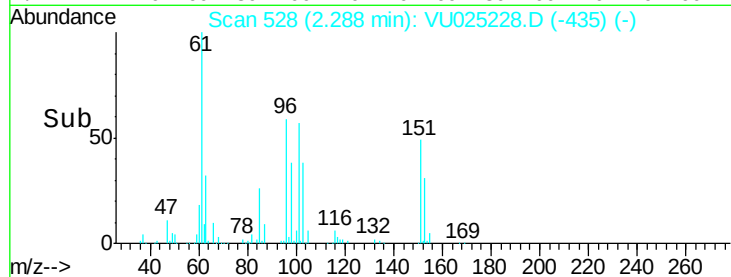
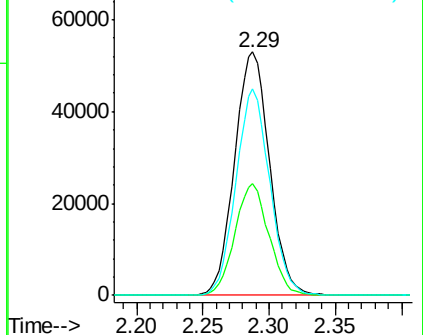
151 82.1 62.3 93.5



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: 63.52 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

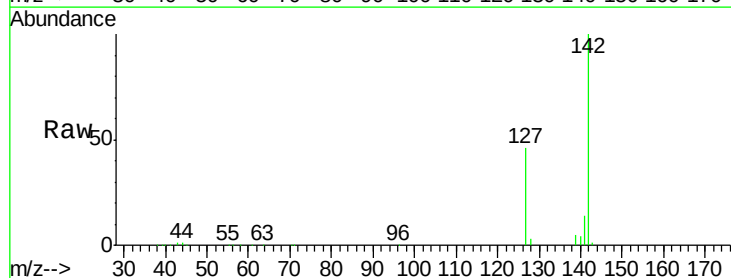
Tgt Ion:142 Resp: 112320

Ion Ratio Lower Upper

142 100

127 46.4 35.6 53.4

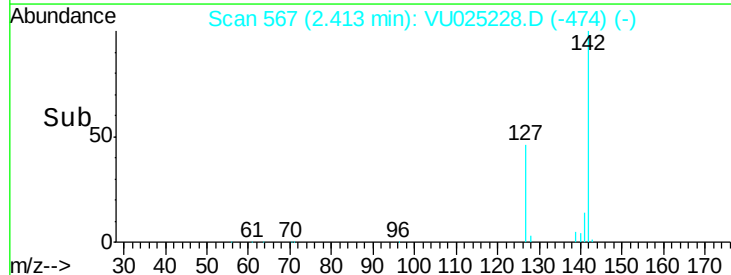
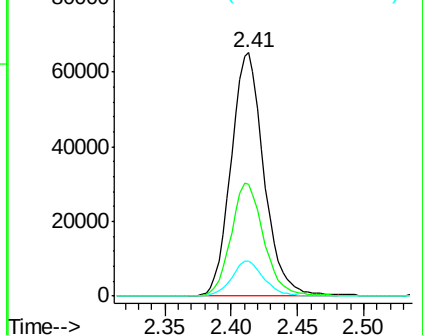
141 14.1 11.7 17.5

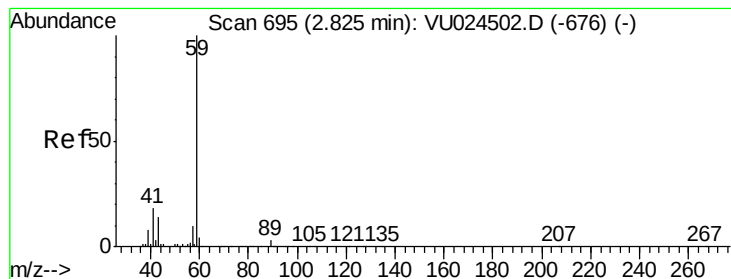


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



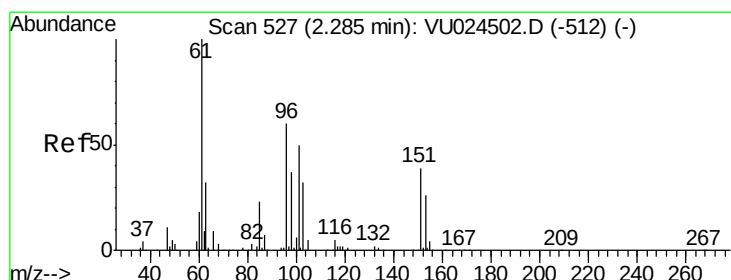
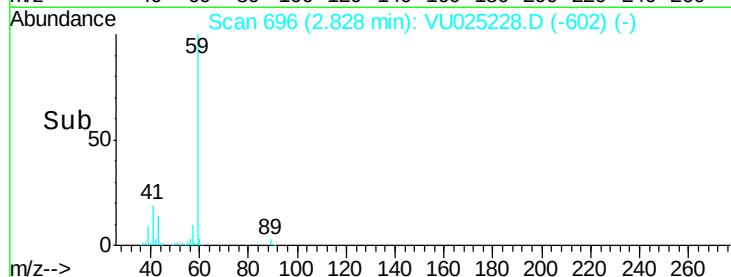
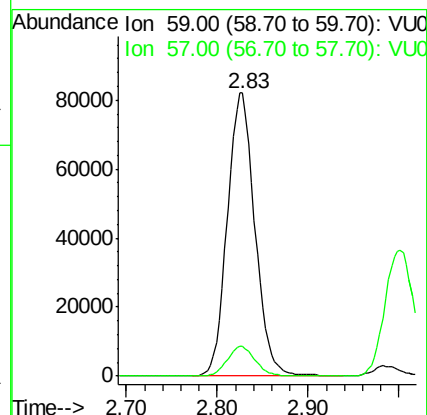
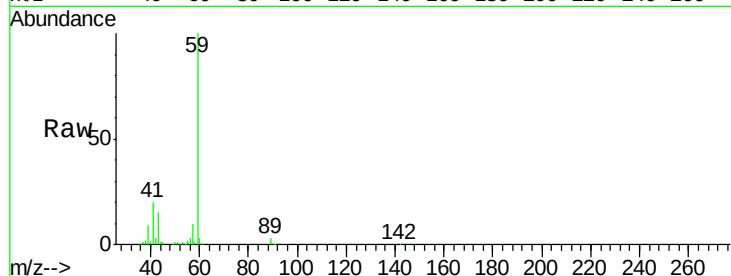


#11

Tert butyl alcohol
 Concen: 267.12 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

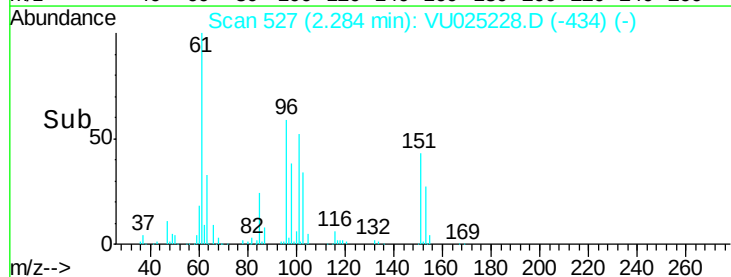
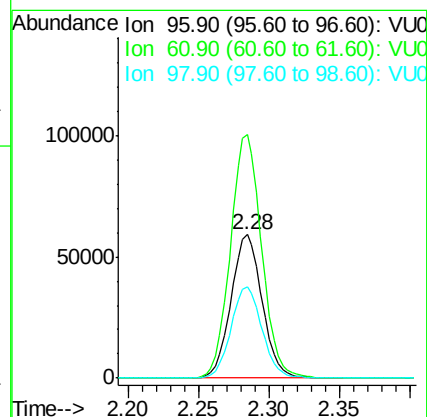
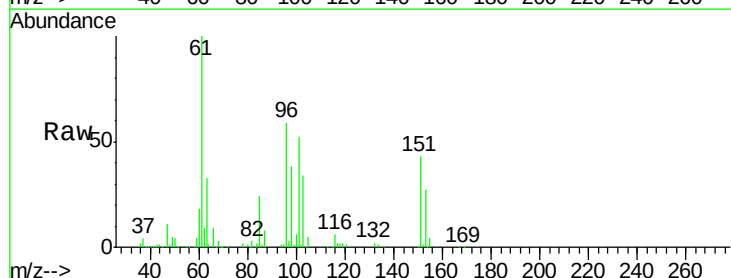
Tot Ion: 59 Resp: 173116
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

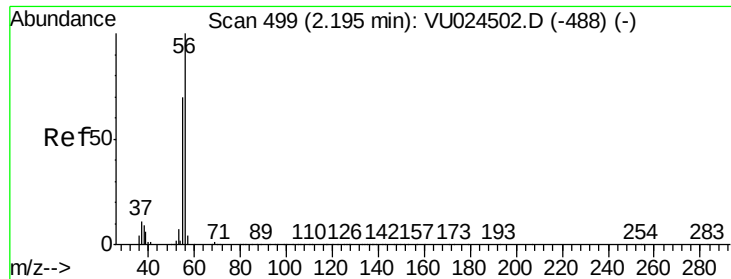


#12

1,1-Dichloroethene
 Concen: 49.22 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion: 96 Resp: 91477
 Ion Ratio Lower Upper
 96 100
 61 169.4 141.7 212.5
 98 63.9 51.6 77.4





#13

Acrolein

Concen: 284.01 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

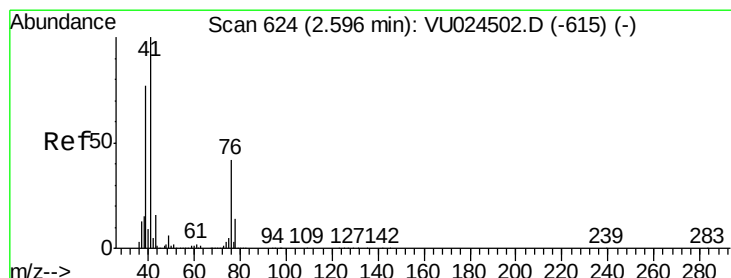
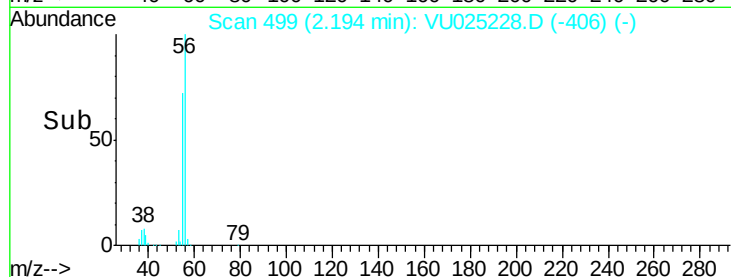
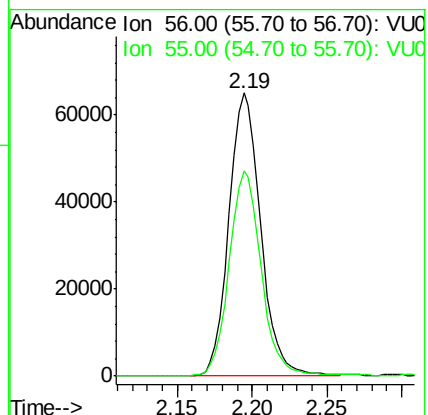
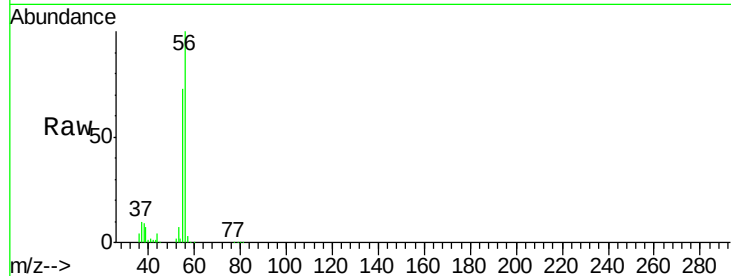
WP021MW470-180628MS

Tot Ion: 56 Resp: 96656

Ion Ratio Lower Upper

56 100

55 72.1 58.4 87.6



#14

Allyl chloride

Concen: 45.69 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

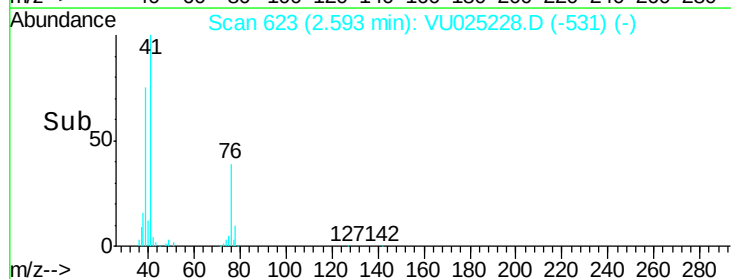
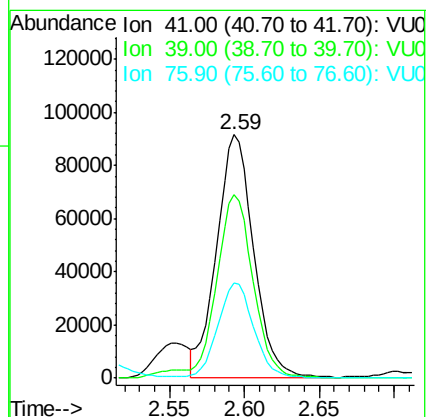
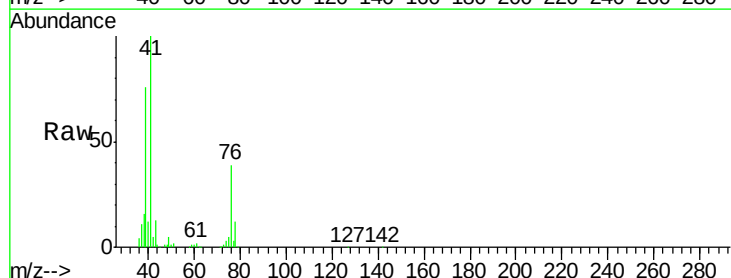
Tgt Ion: 41 Resp: 157684

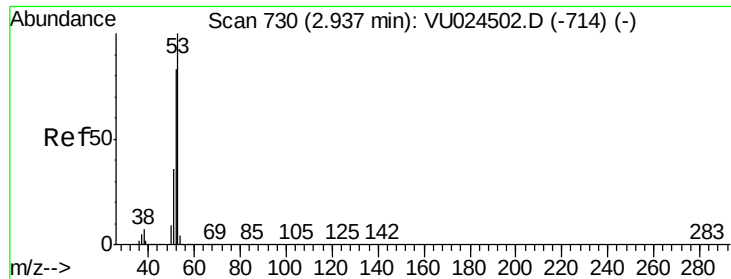
Ion Ratio Lower Upper

41 100

39 76.7 61.6 92.4

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 272.77 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

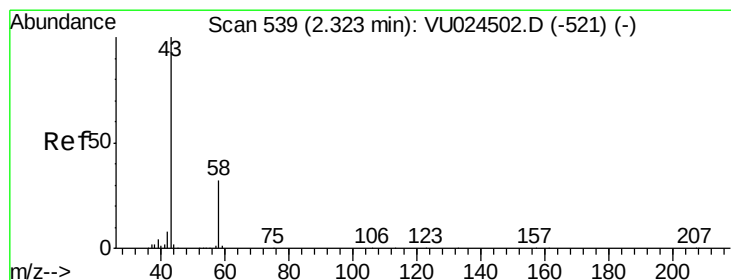
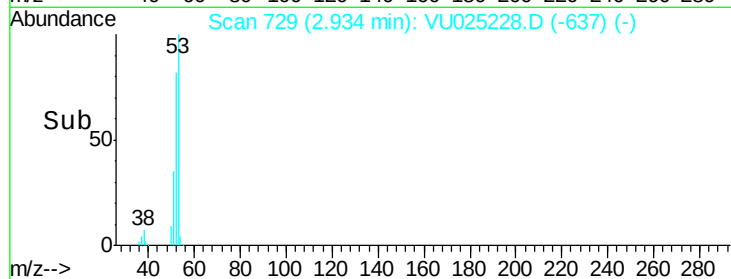
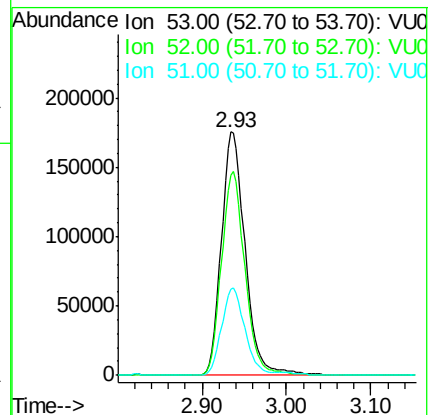
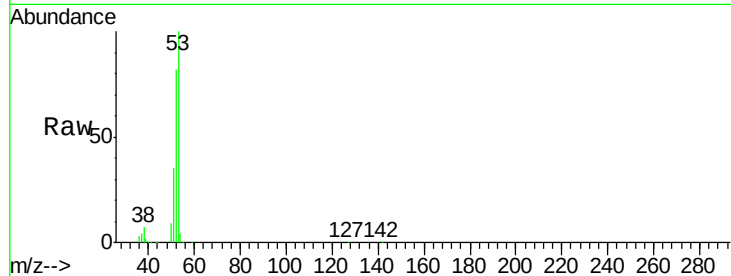
Tot Ion: 53 Resp: 343947

Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.1	100.7
51	35.1	28.4	42.6

53 100

52 82.5 67.1 100.7

51 35.1 28.4 42.6



#16

Acetone

Concen: 228.35 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025228.D

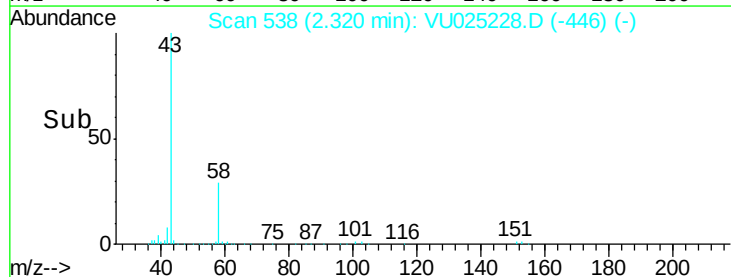
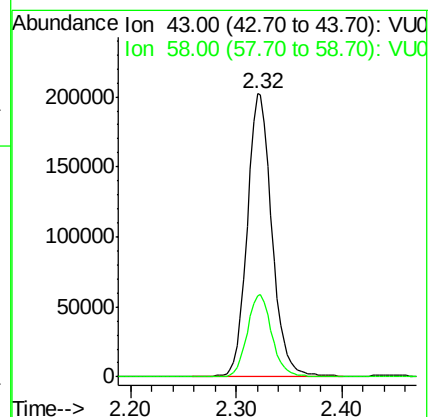
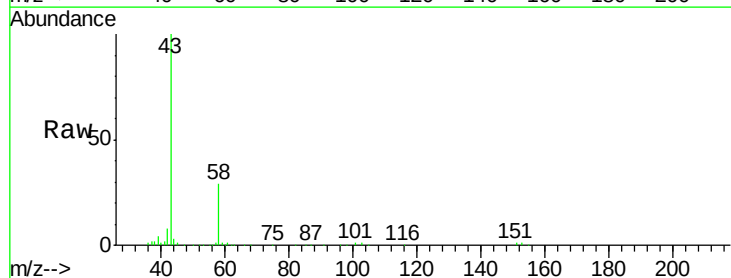
Acq: 05 Jul 2018 20:18

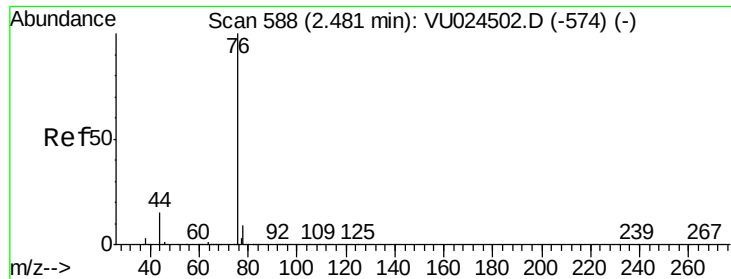
Tgt Ion: 43 Resp: 326947

Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.4	36.6

43 100

58 28.9 24.4 36.6





#17

Carbon Disulfide

Concen: 42.27 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

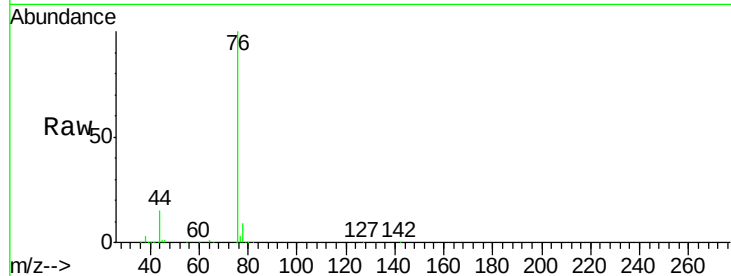
WP021MW470-180628MS

Tot Ion: 76 Resp: 251588

Ion Ratio Lower Upper

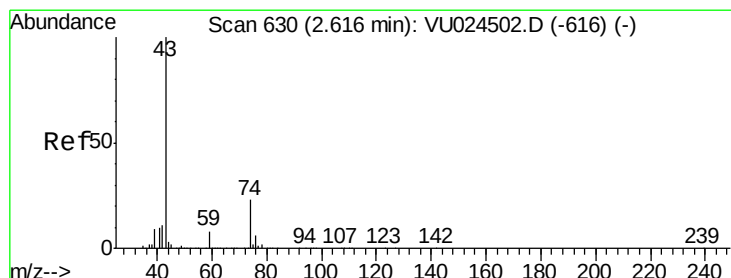
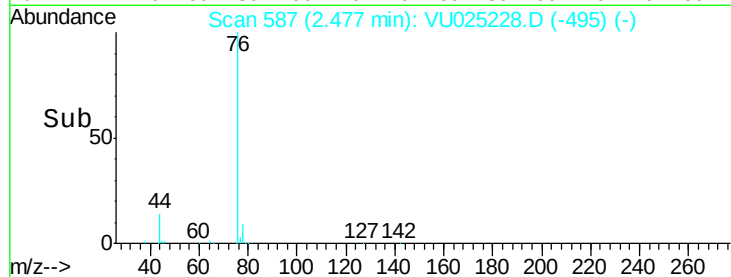
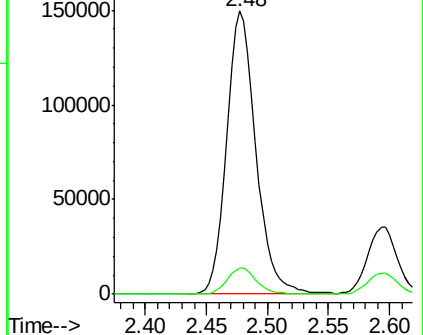
76 100

78 9.1 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: 65.49 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025228.D

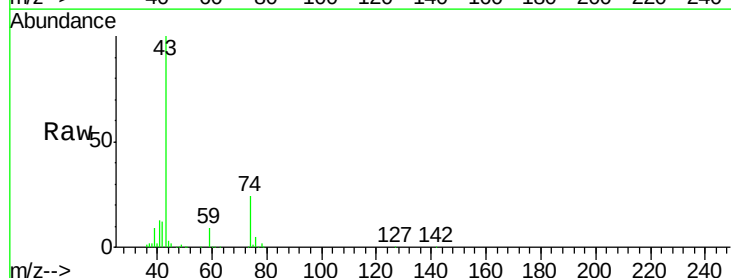
Acq: 05 Jul 2018 20:18

Tgt Ion: 43 Resp: 201026

Ion Ratio Lower Upper

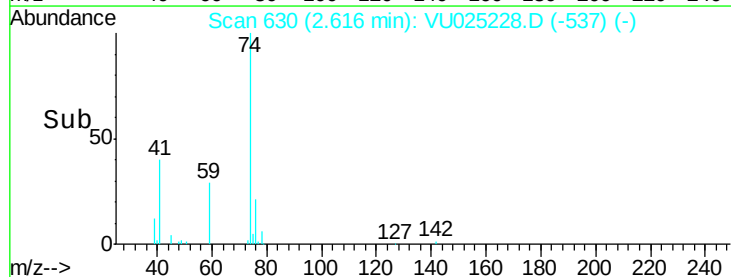
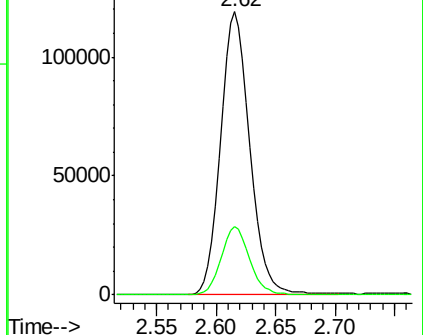
43 100

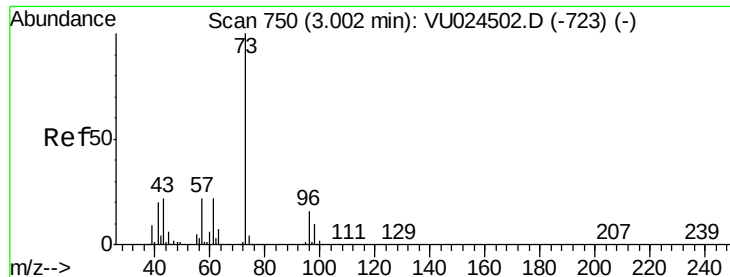
74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

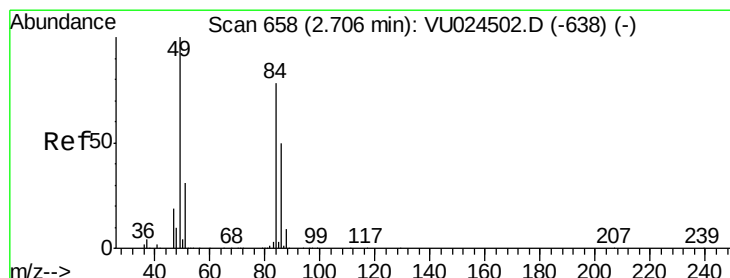
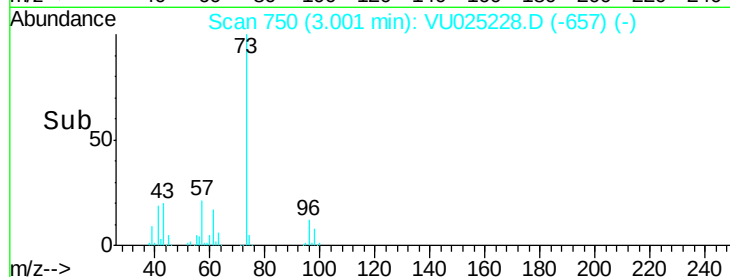
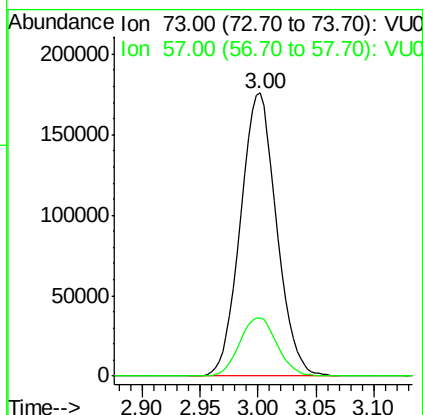
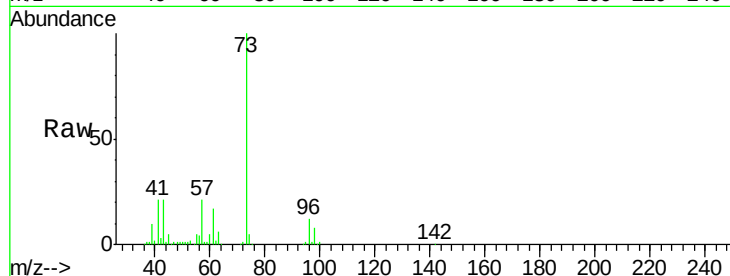




#19
Methvl tert-butvl Ether
Concen: 54.70 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

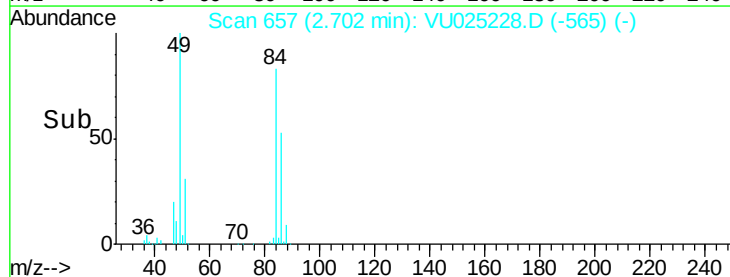
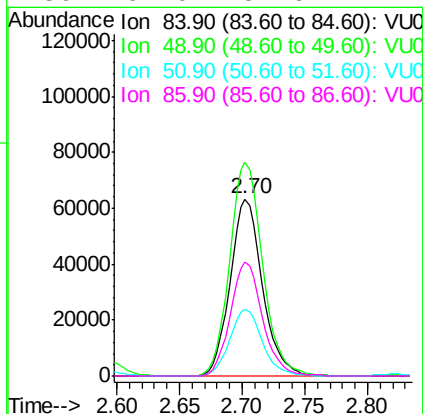
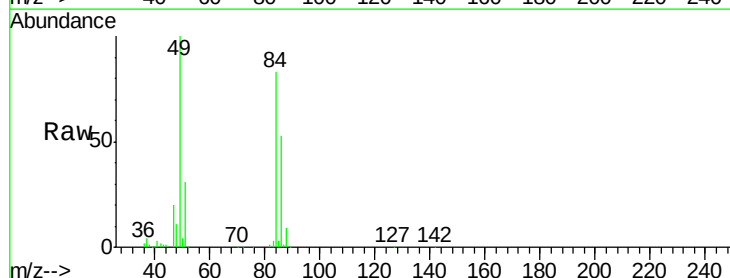
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

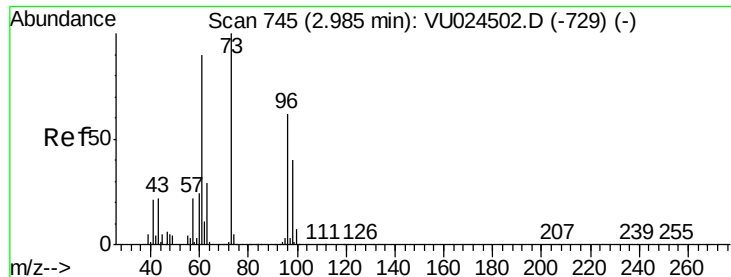
Tot Ion: 73 Resp: 382152
Ion Ratio Lower Upper
73 100
57 20.7 18.8 28.2



#20
Methylene Chloride
Concen: 50.43 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion: 84 Resp: 113289
Ion Ratio Lower Upper
84 100
49 120.6 103.8 155.8
51 37.5 32.0 48.0
86 64.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.53 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

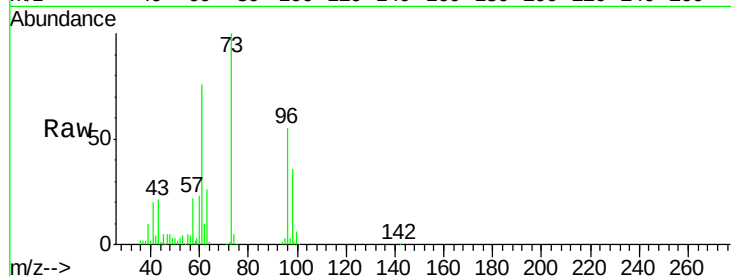
Tot Ion: 96 Resp: 103439

Ion Ratio Lower Upper

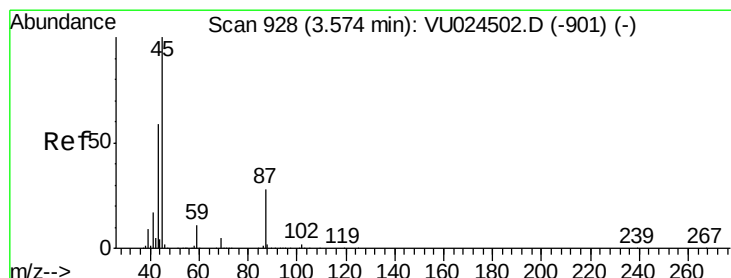
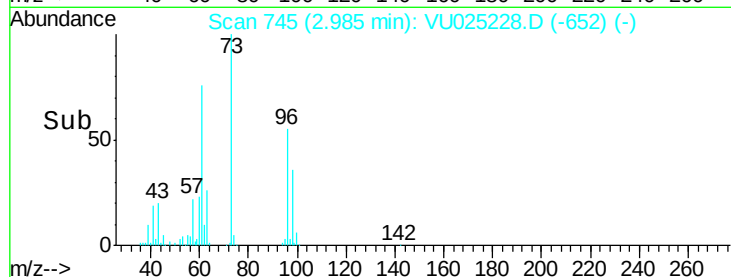
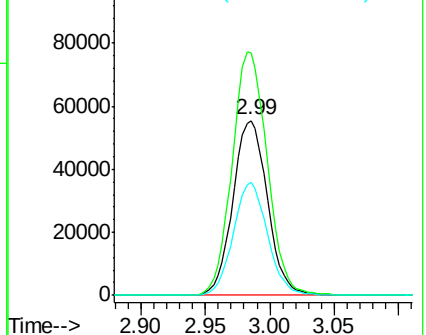
96 100

61 138.8 119.4 179.0

98 64.6 51.1 76.7



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



#22

Diisopropyl ether

Concen: 53.14 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion: 45 Resp: 363511

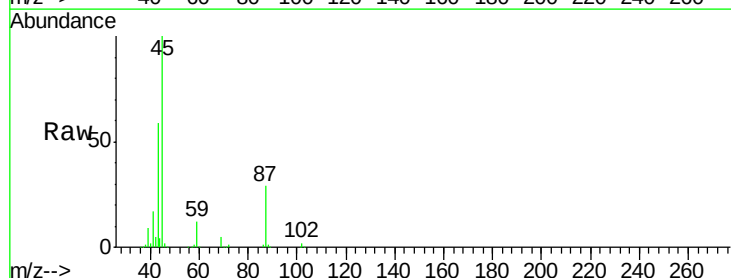
Ion Ratio Lower Upper

45 100

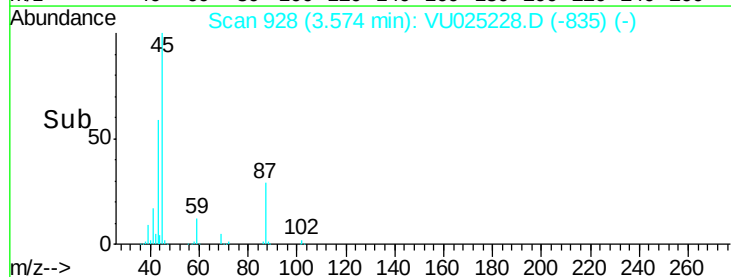
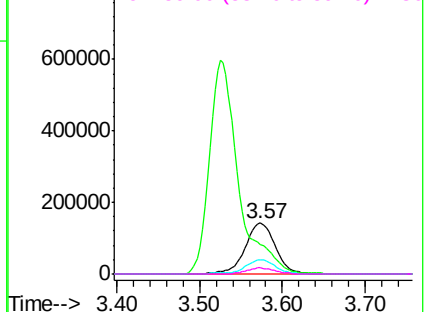
43 58.3 45.8 68.6

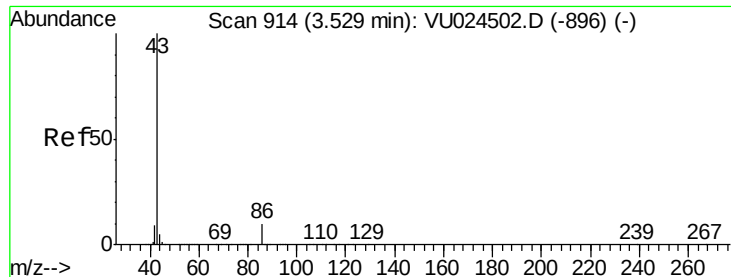
87 28.8 20.6 31.0

59 12.0 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 237.80 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

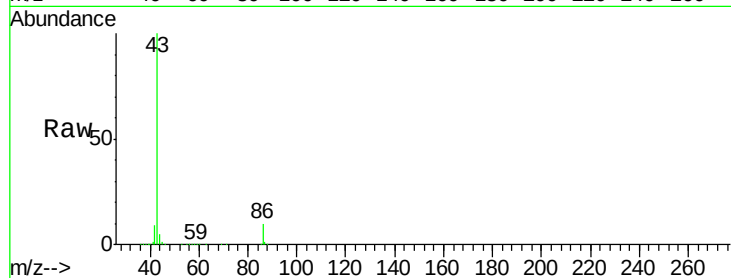
WP021MW470-180628MS

Tot Ion: 43 Resp: 1457224

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

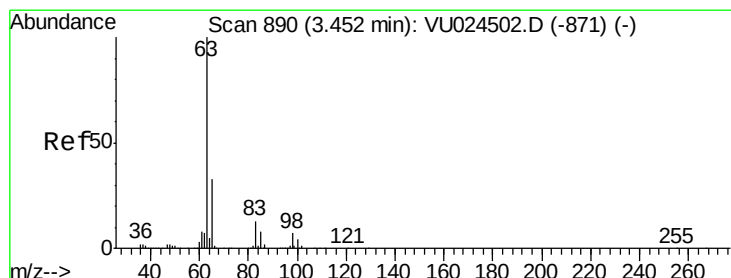
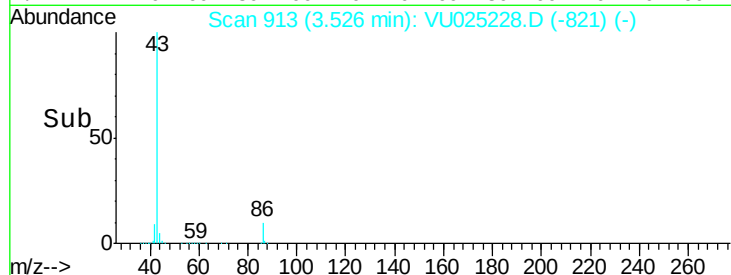
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.45 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

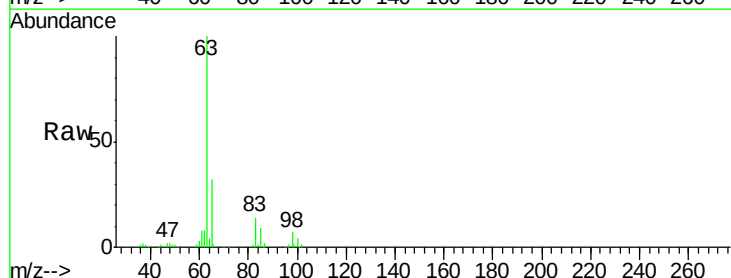
Tgt Ion: 63 Resp: 206422

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.9 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

3.45

120000

100000

80000

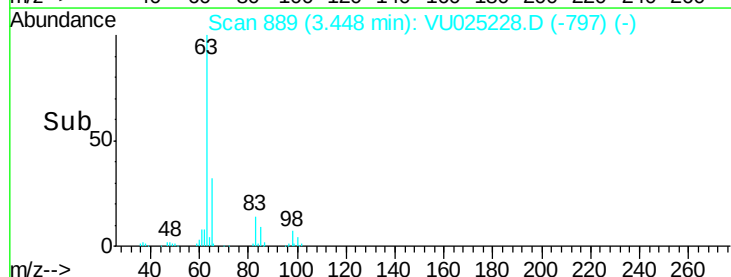
60000

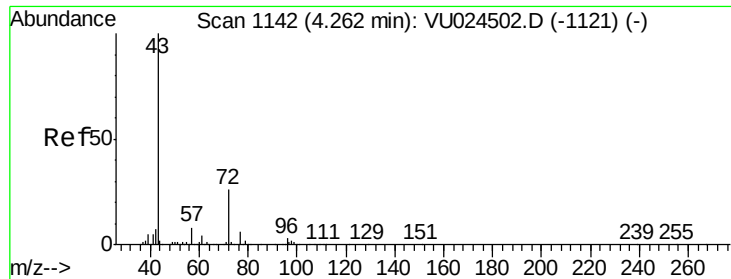
40000

20000

0

Time-->

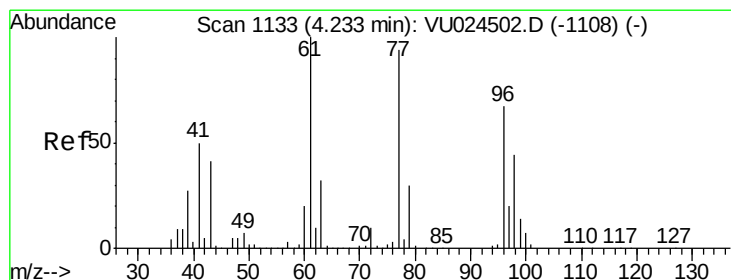
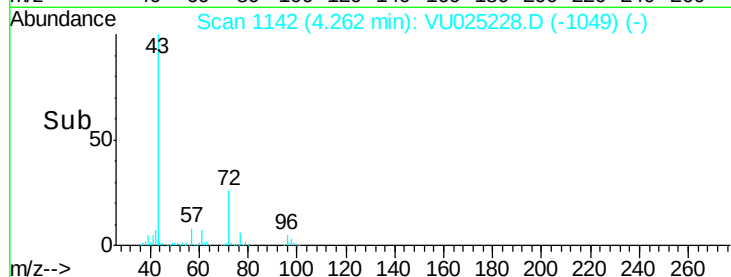
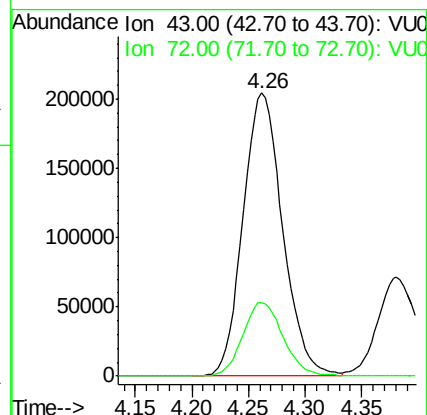
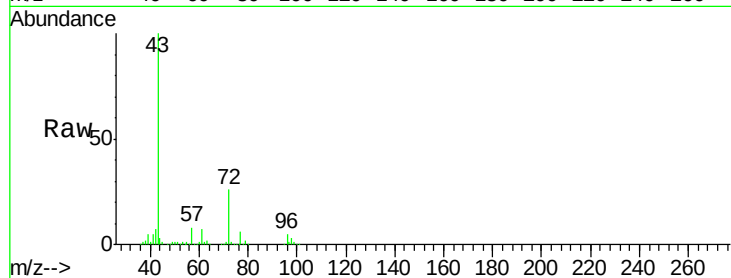




#25
2-Butanone
Concen: 258.01 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

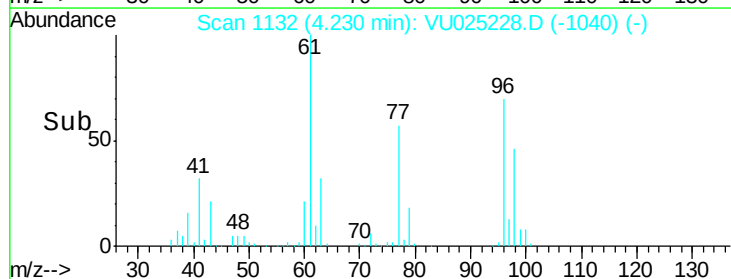
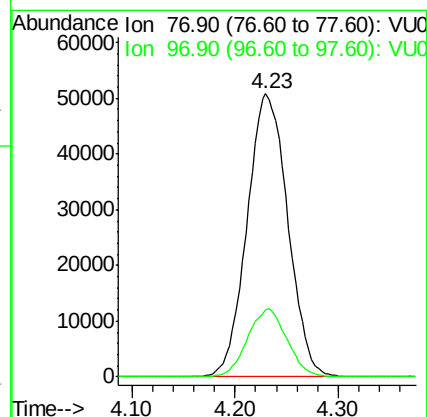
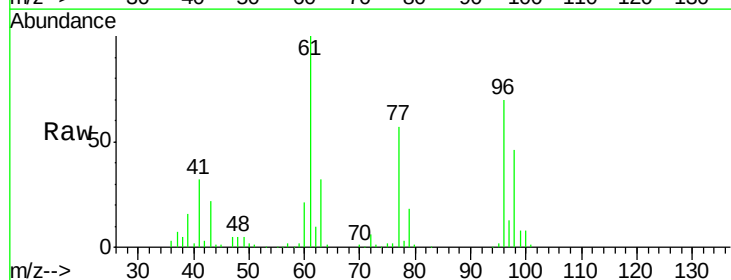
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

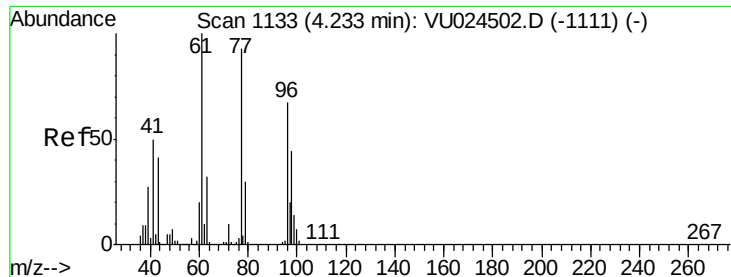
Tot Ion: 43 Resp: 496189
Ion Ratio Lower Upper
43 100
72 26.0 19.6 29.4



#26
2,2-Dichloropropane
Concen: 37.27 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion: 77 Resp: 139282
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8

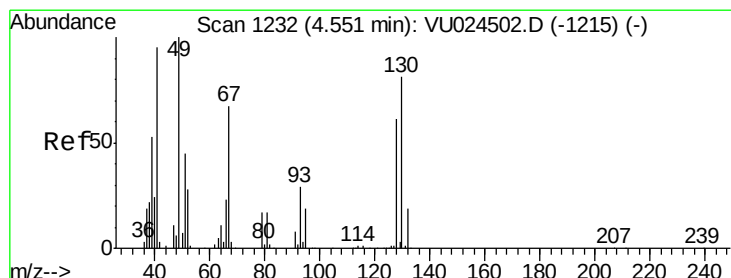
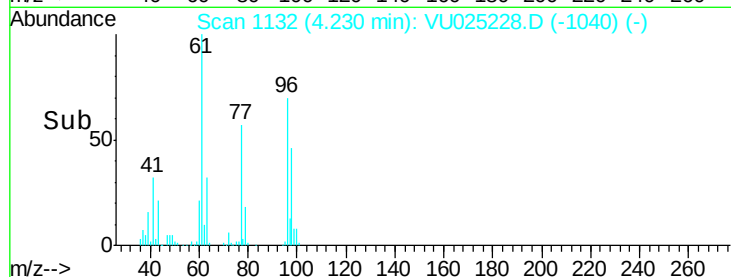
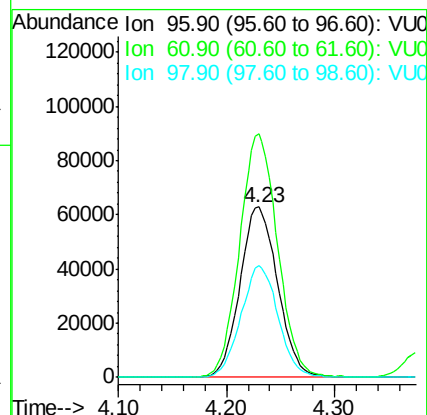
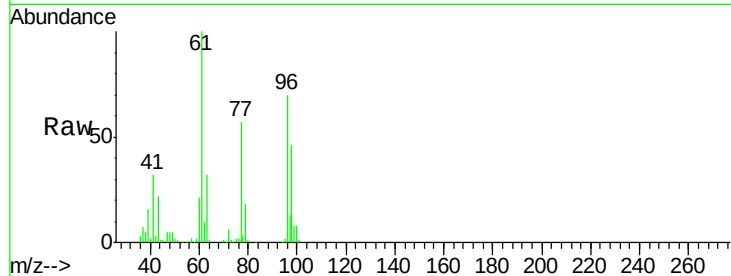




#27
 cis-1,2-Dichloroethene
 Concen: 64.96 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

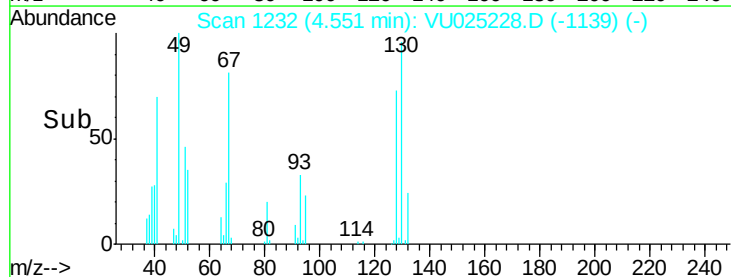
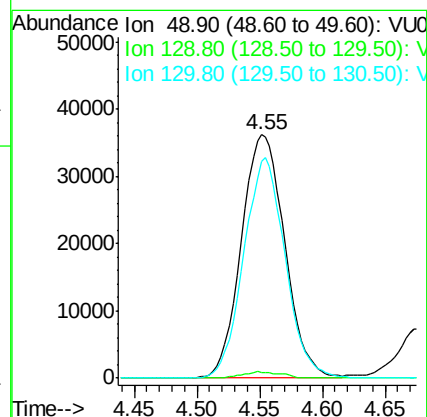
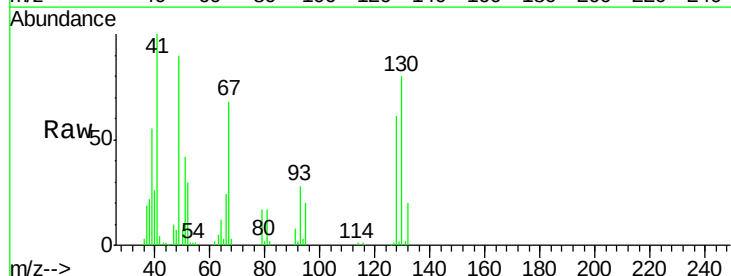
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

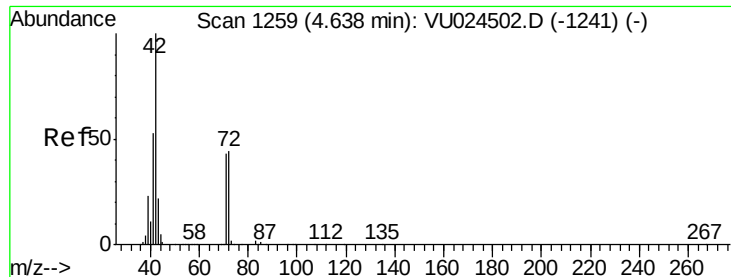
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	306.6
98	64.6	0.0	128.8



#28
 Bromochloromethane
 Concen: 50.25 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	86.6	57.8	86.6

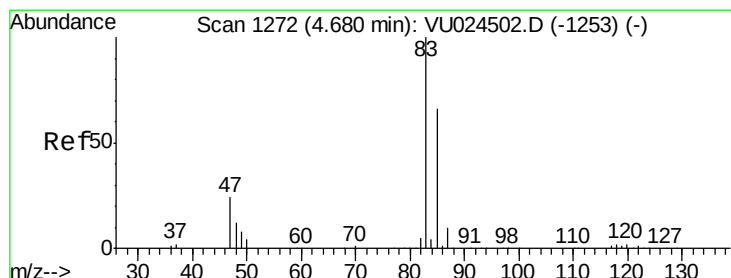
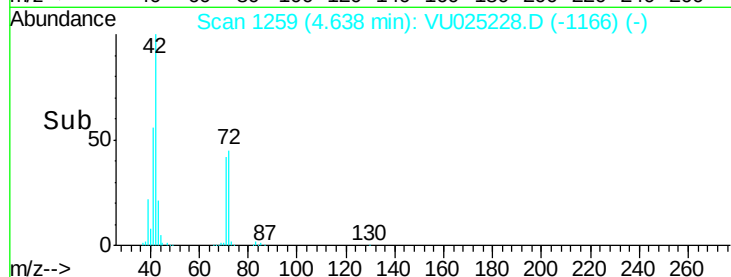
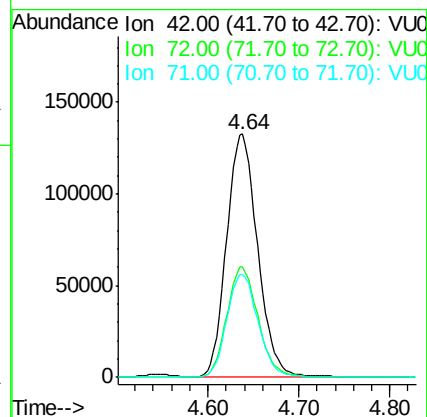
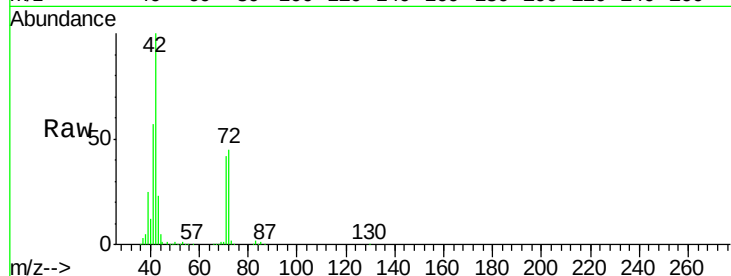




#29
Tetrahydrofuran
Concen: 263.30 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

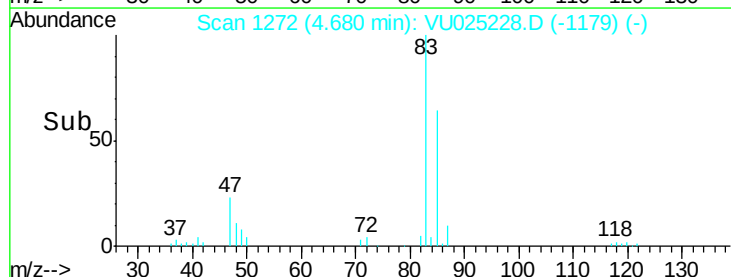
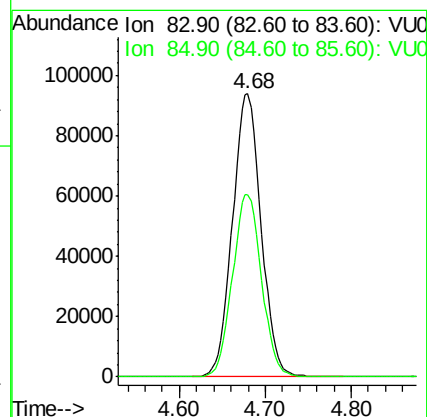
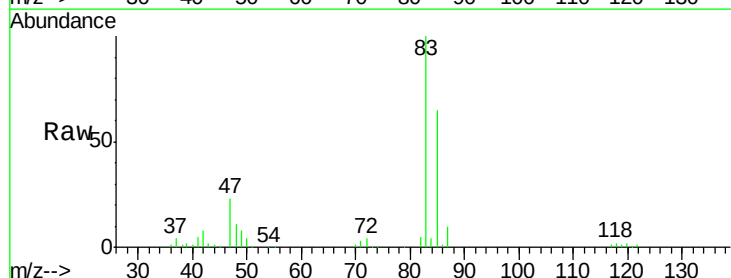
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

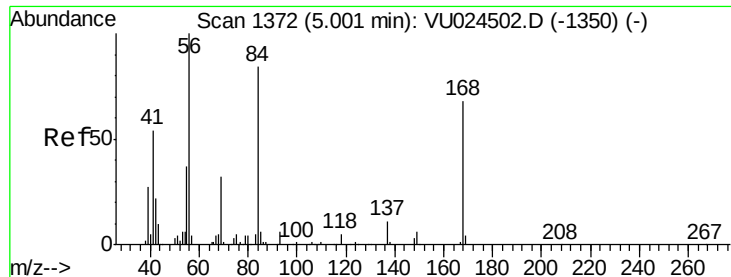
Tot Ion: 42 Resp: 313585
Ion Ratio Lower Upper
42 100
72 45.7 34.5 51.7
71 42.9 32.2 48.4



#30
Chloroform
Concen: 54.47 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion: 83 Resp: 216986
Ion Ratio Lower Upper
83 100
85 64.5 52.4 78.6

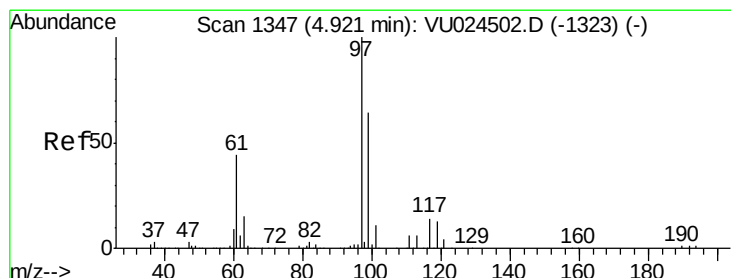
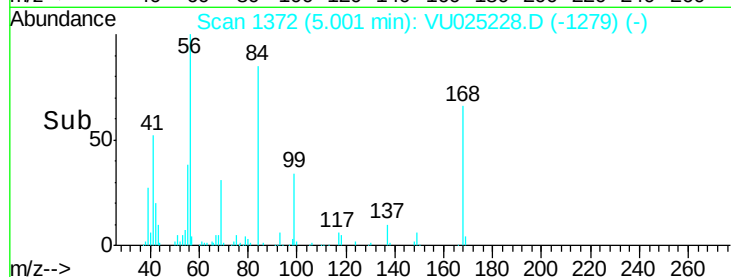
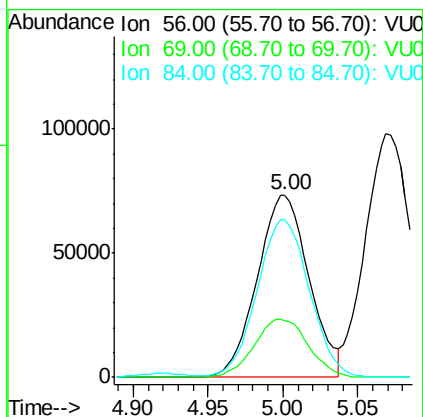
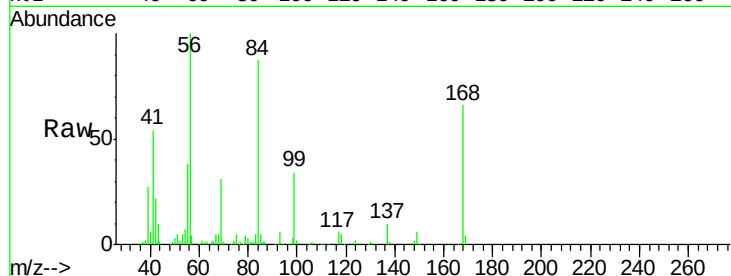




#31
Cyclohexane
Concen: 50.57 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

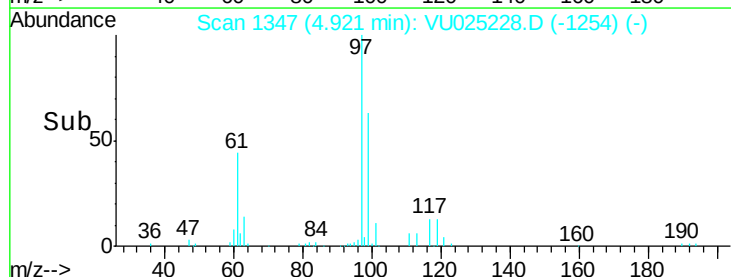
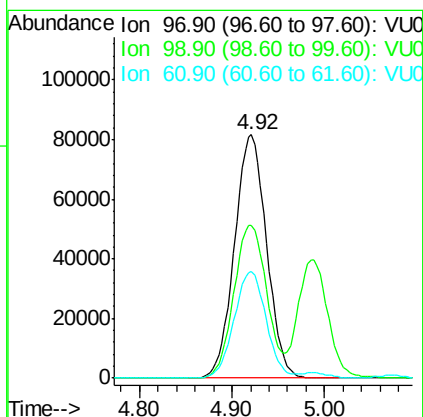
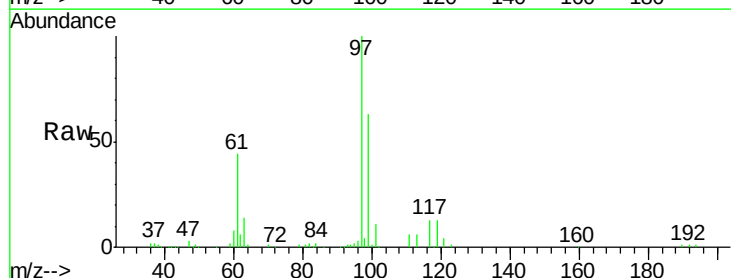
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

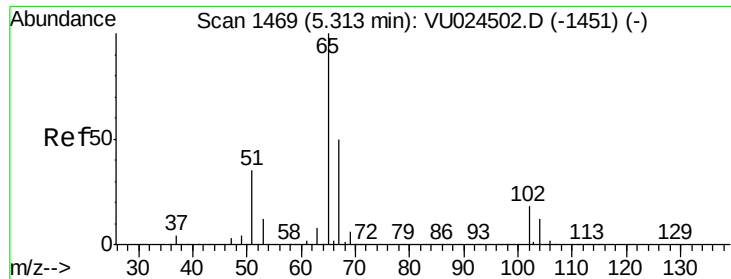
Tot Ion: 56 Resp: 176642
Ion Ratio Lower Upper
56 100
69 31.3 24.8 37.2
84 85.3 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 53.09 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion: 97 Resp: 195555
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.6
61 43.8 39.4 59.0

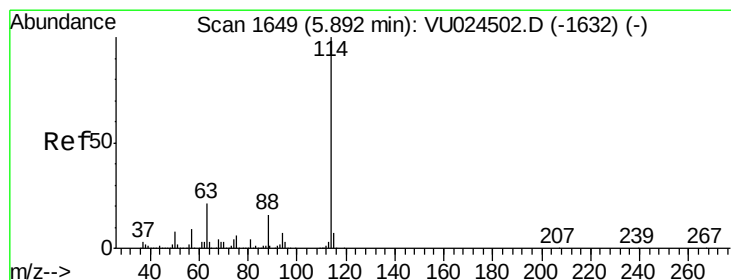
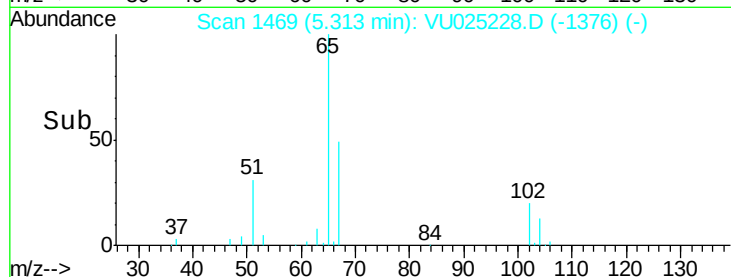
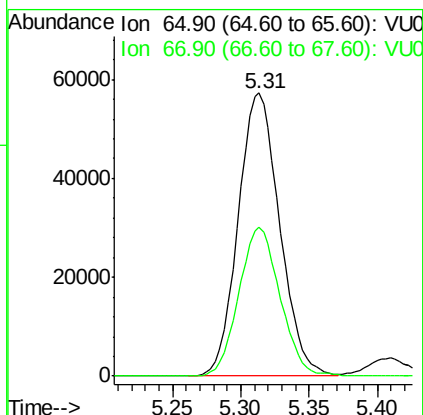
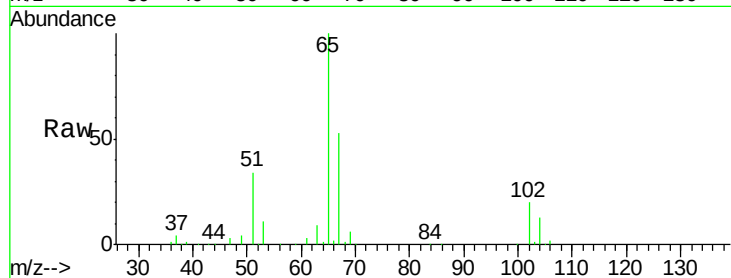




#33
 1,2-Dichloroethane-d4
 Concen: 45.42 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

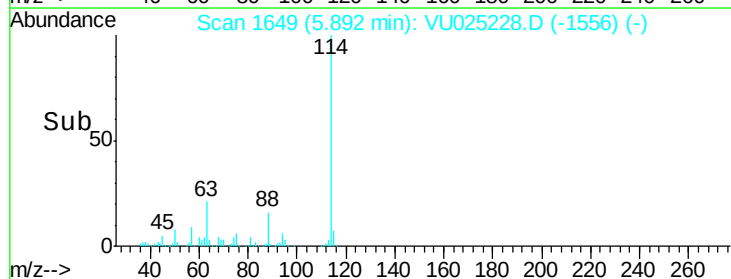
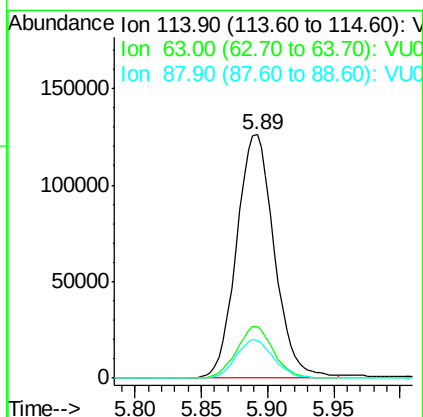
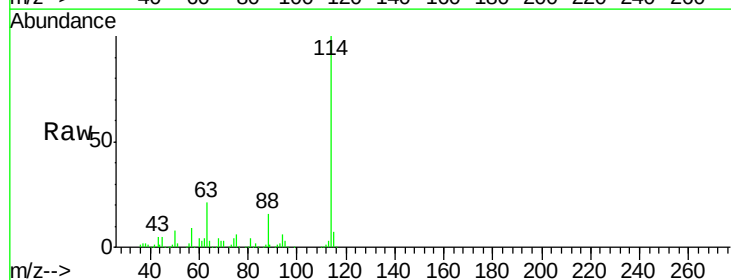
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

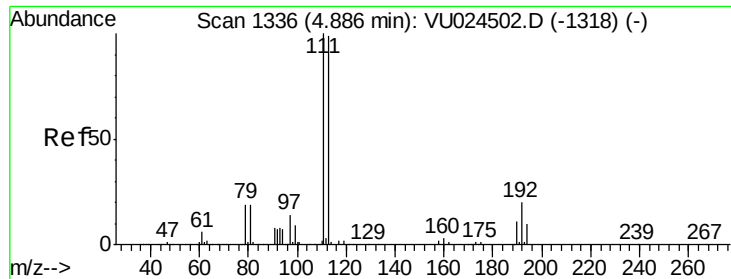
Tot Ion: 65 Resp: 121041
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion: 114 Resp: 249396
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.64 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

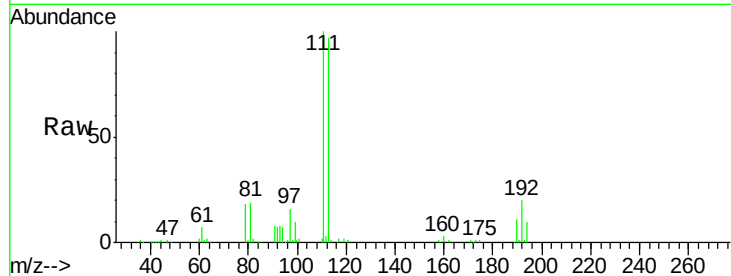
Tot Ion:113 Resp: 104814

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

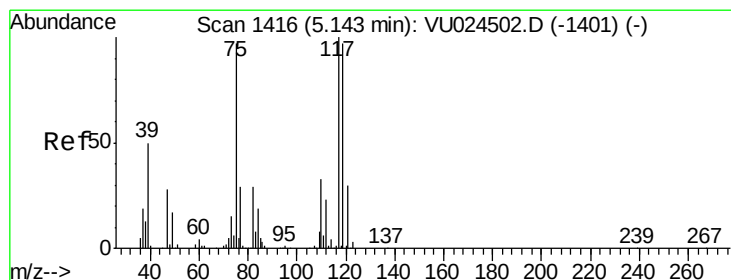
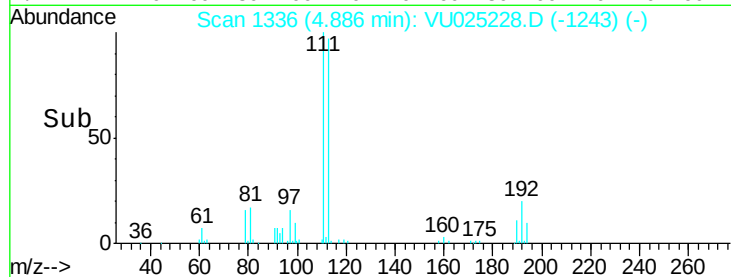
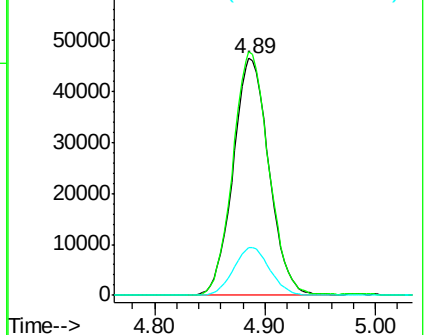
192 20.4 16.2 24.4



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: 51.19 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

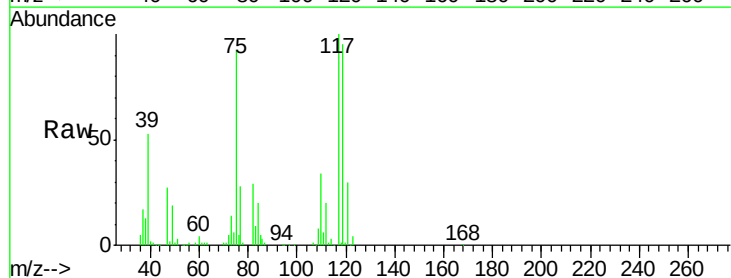
Tgt Ion: 75 Resp: 150024

Ion Ratio Lower Upper

75 100

110 36.3 17.0 50.9

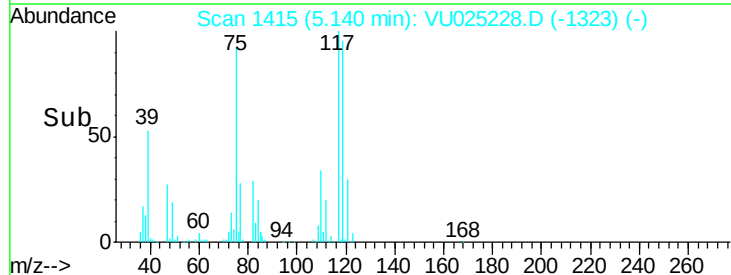
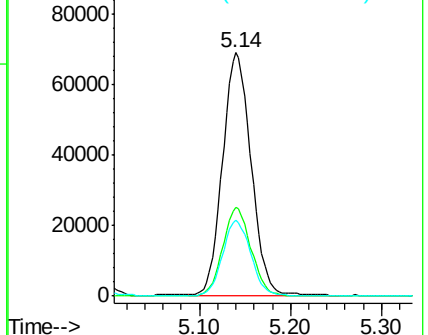
77 31.1 24.2 36.4

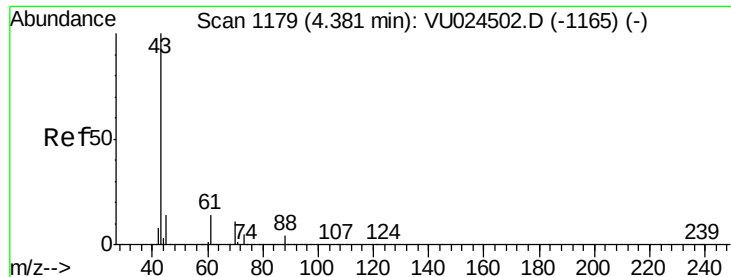


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

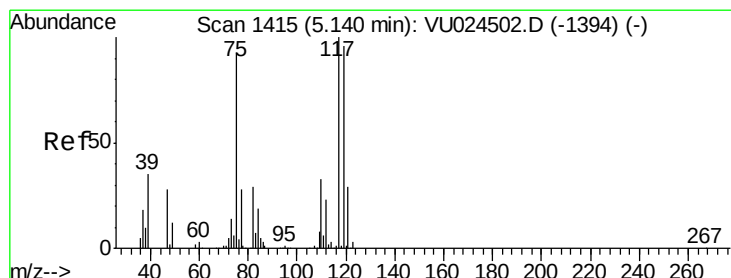
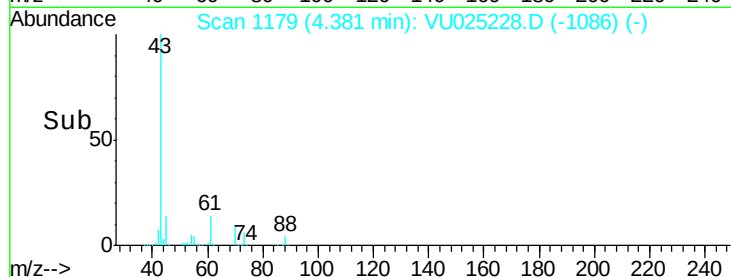
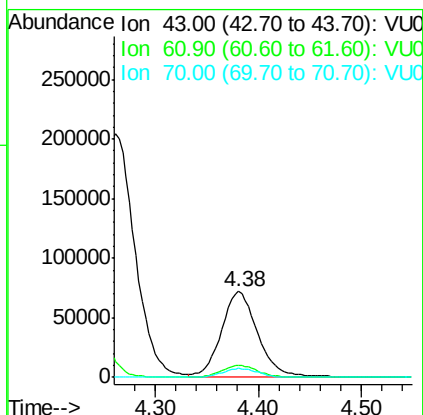
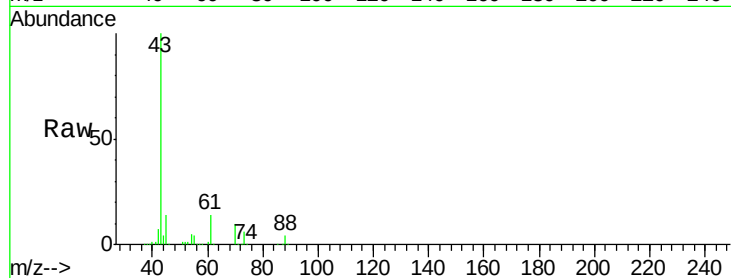




#37
Ethyl Acetate
Concen: 54.32 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

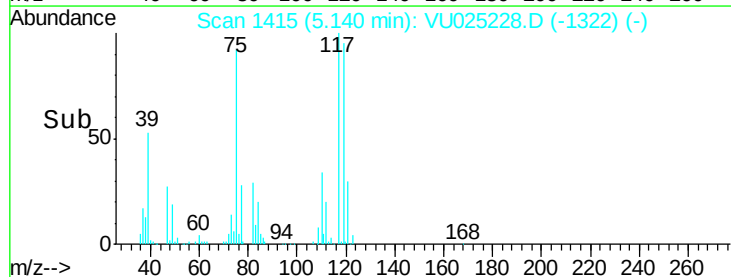
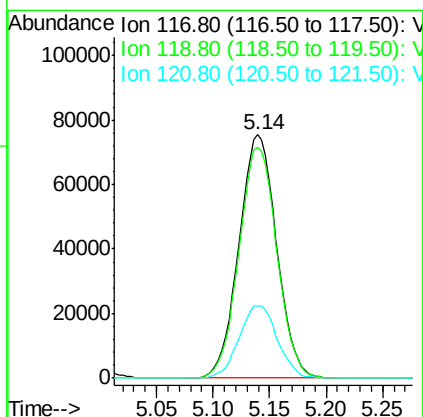
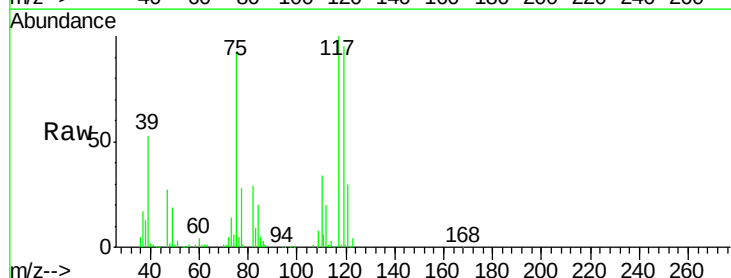
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

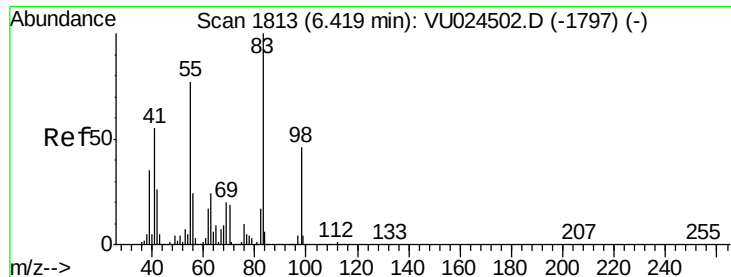
Tot Ion: 43 Resp: 173494
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 10.3 7.4 11.2



#38
Carbon Tetrachloride
Concen: 54.23 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion: 117 Resp: 174764
Ion Ratio Lower Upper
117 100
119 95.0 76.1 114.1
121 29.8 23.7 35.5

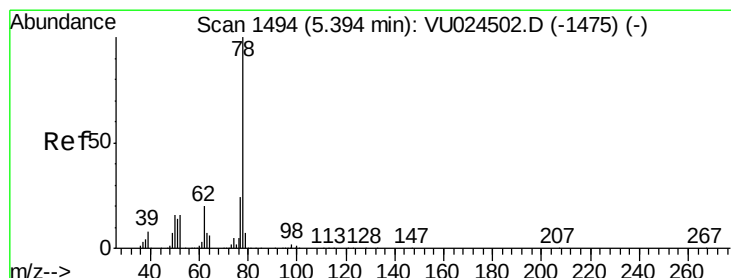
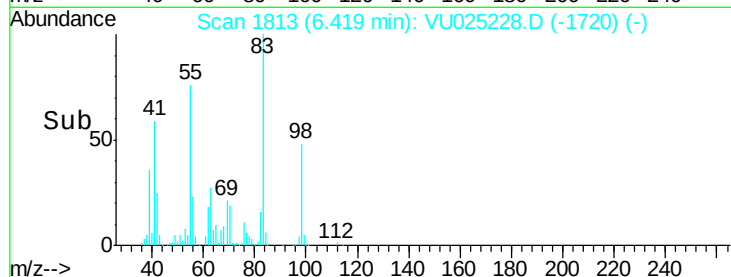
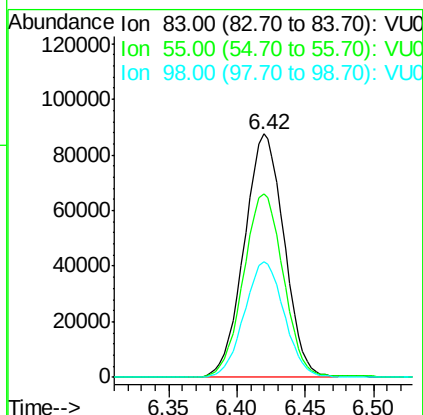
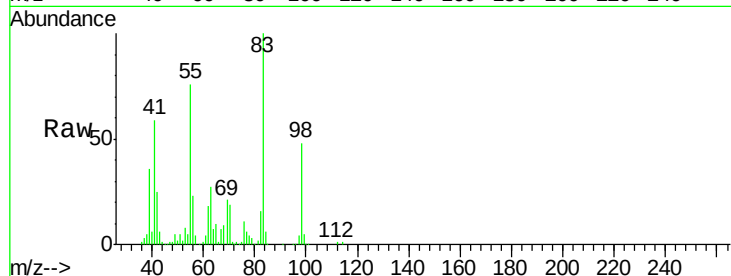




#39
Methylvlcyclohexane
Concen: 48.70 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

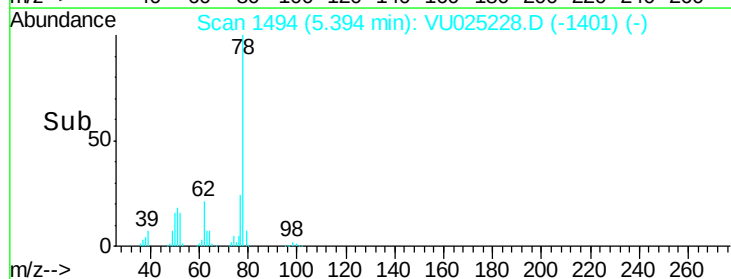
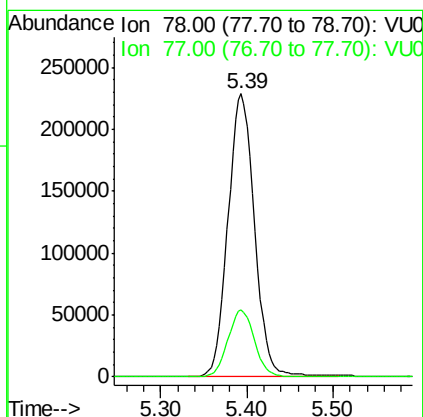
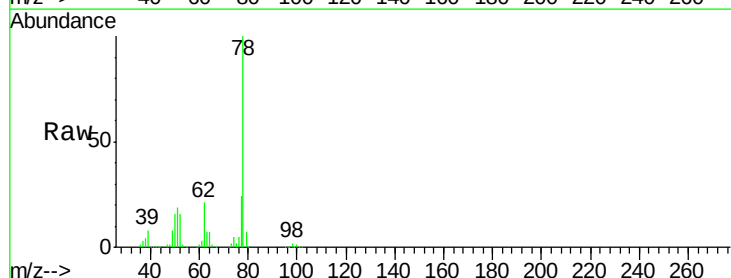
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

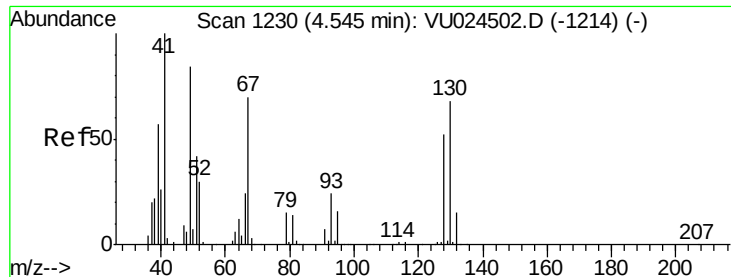
Tot Ion: 83 Resp: 178096
Ion Ratio Lower Upper
83 100
55 75.6 65.8 98.6
98 47.5 36.7 55.1



#40
Benzene
Concen: 58.79 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion: 78 Resp: 490915
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8

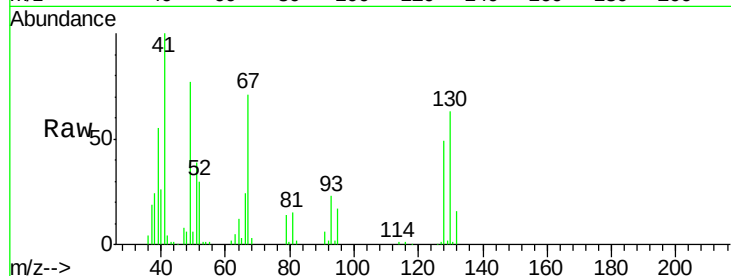




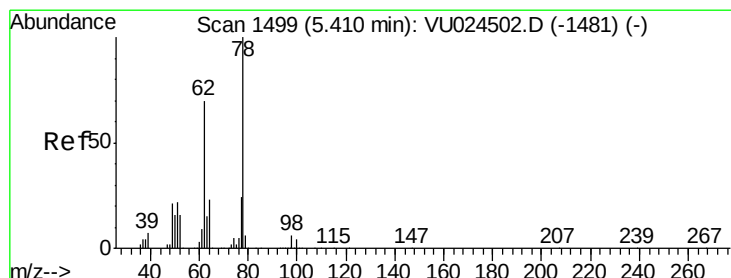
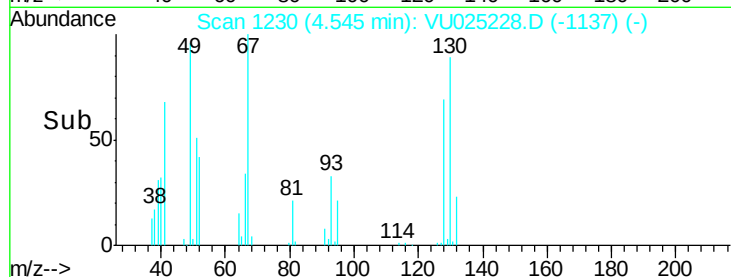
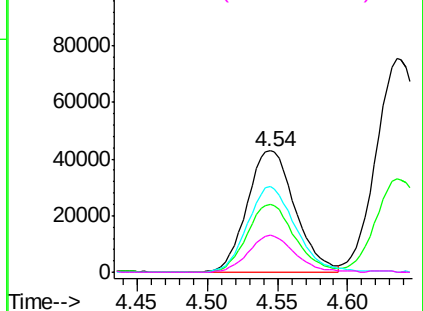
#41
Methacrylonitrile
Concen: 58.92 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion:	41	Resp:	101477
Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.8	65.6
67	71.6	56.3	84.5
52	30.0	23.2	34.8

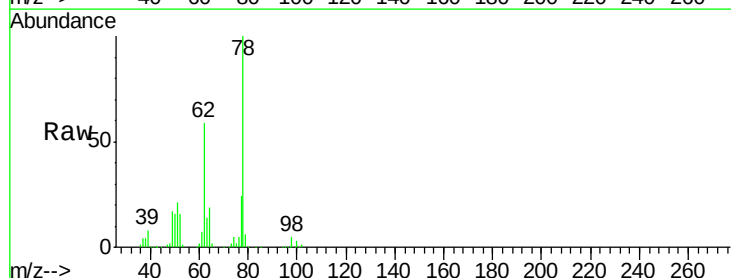


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

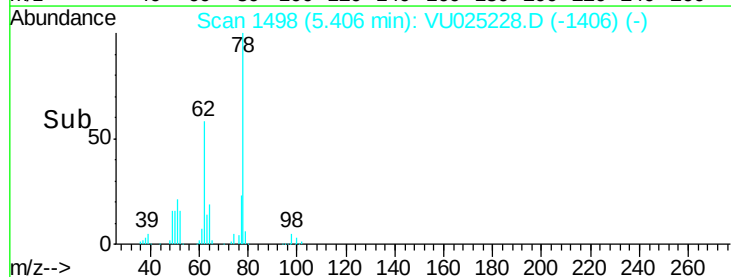
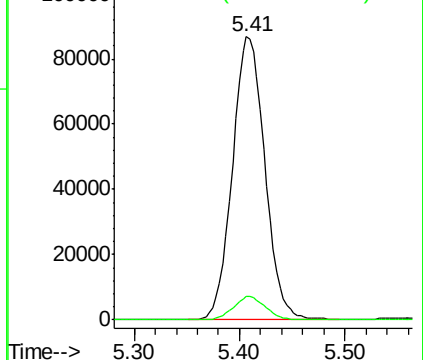


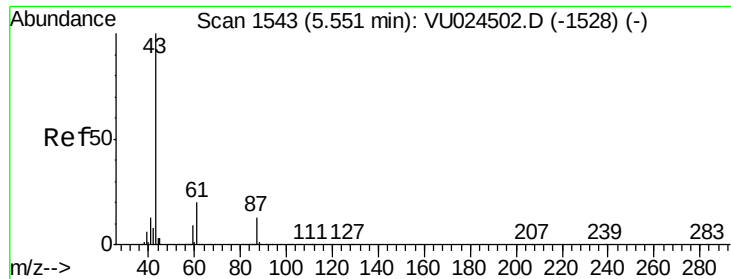
#42
1,2-Dichloroethane
Concen: 58.23 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion:	62	Resp:	185196
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.60 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

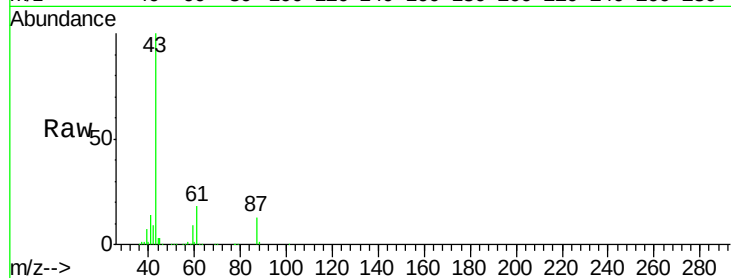
Tot Ion: 43 Resp: 284898

Ion Ratio Lower Upper

43 100

61 19.2 15.4 23.0

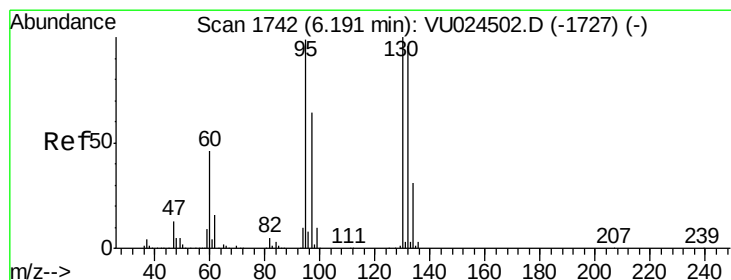
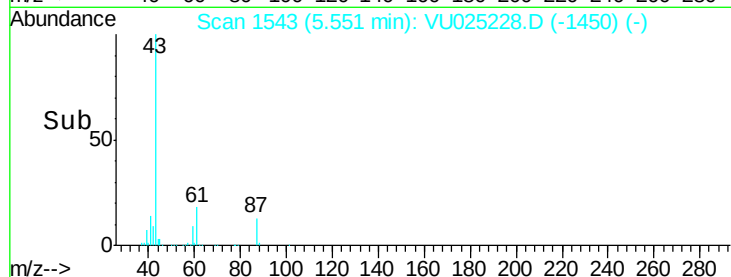
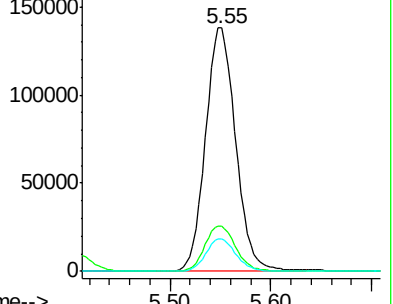
87 13.3 10.0 15.0



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

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

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



#44

Trichloroethene

Concen: 59.57 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025228.D

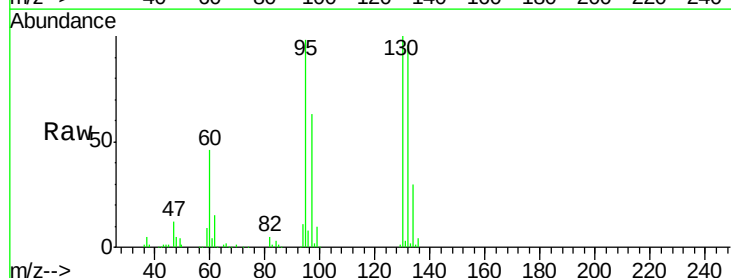
Acq: 05 Jul 2018 20:18

Tgt Ion:130 Resp: 141568

Ion Ratio Lower Upper

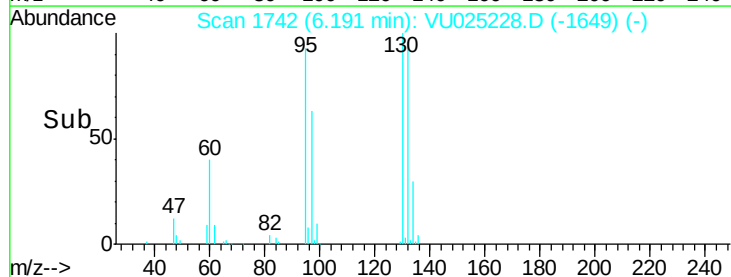
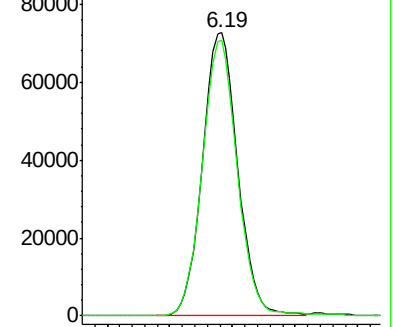
130 100

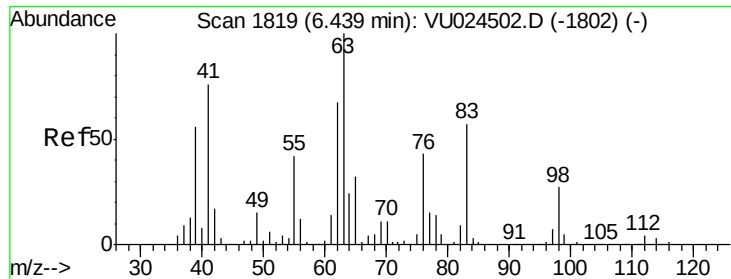
95 97.6 0.0 202.4



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

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

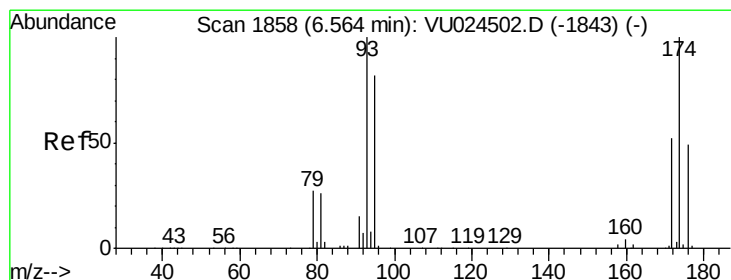
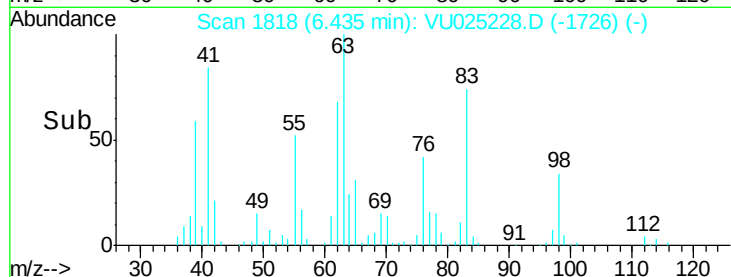
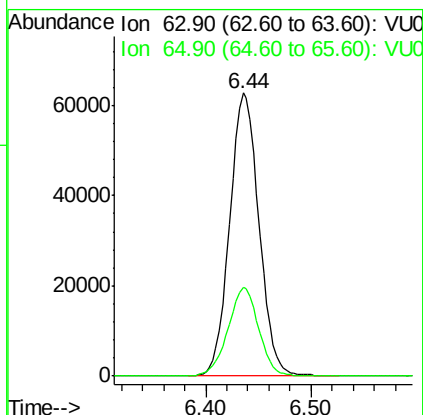
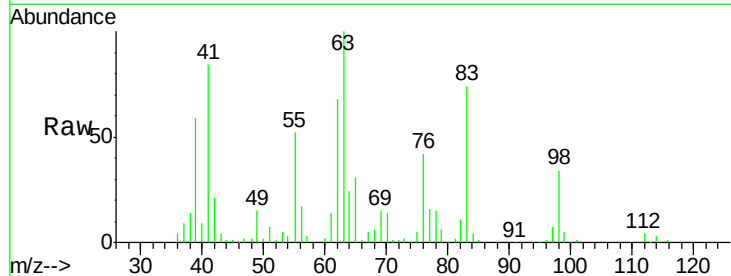




#45
 1,2-Dichloropropane
 Concen: 54.20 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

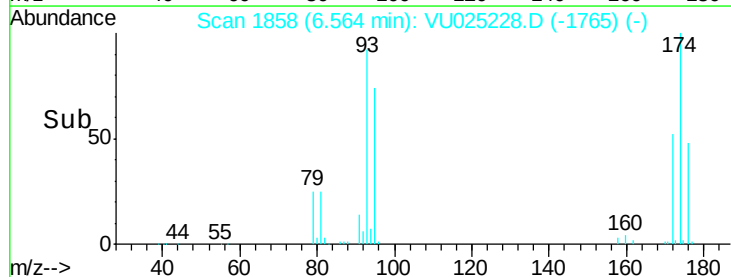
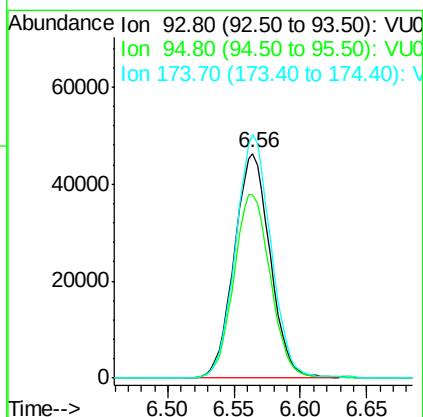
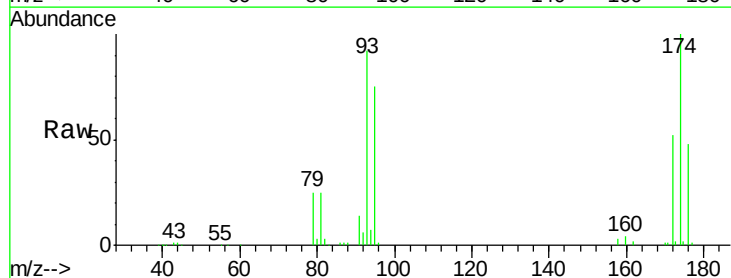
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

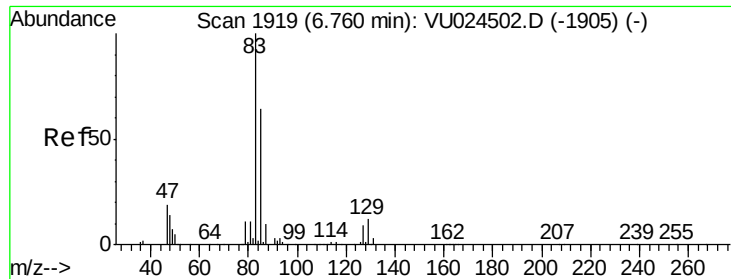
Tot Ion: 63 Resp: 120761
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2



#46
 Dibromomethane
 Concen: 55.65 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion: 93 Resp: 87092
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 106.8 78.7 118.1





#47

Bromodichloromethane

Concen: 53.65 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

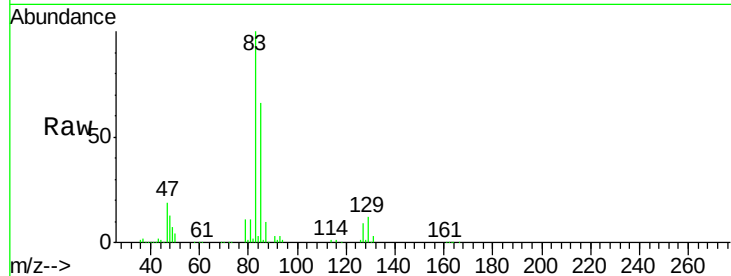
Tot Ion: 83 Resp: 167199

Ion Ratio Lower Upper

83 100

85 65.8 51.9 77.9

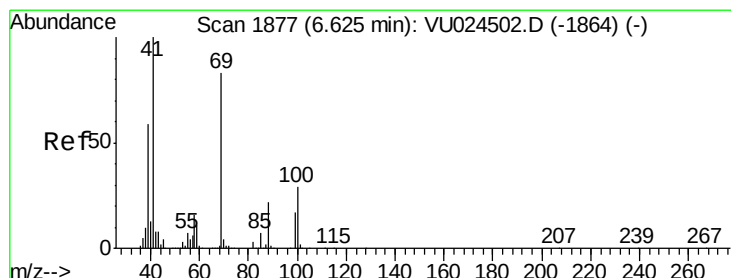
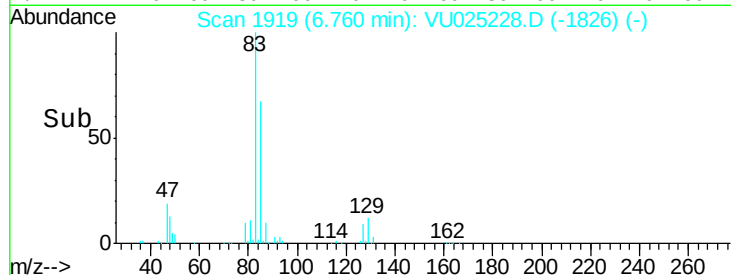
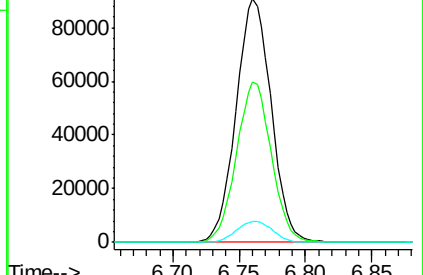
127 8.6 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU025228.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025228.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025228.D (-1826) (-)



#48

Methyl methacrylate

Concen: 56.27 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

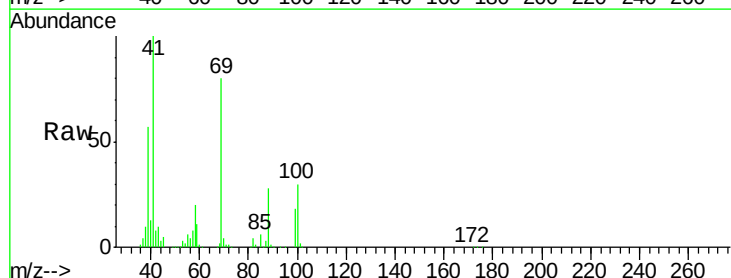
Tgt Ion: 41 Resp: 151284

Ion Ratio Lower Upper

41 100

69 83.0 67.3 100.9

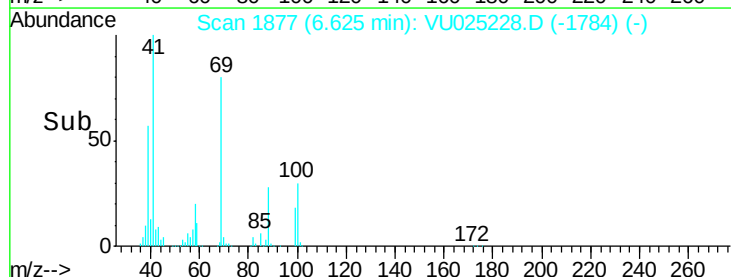
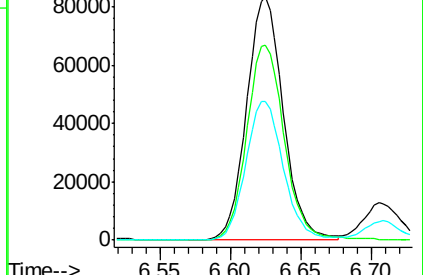
39 59.0 46.5 69.7

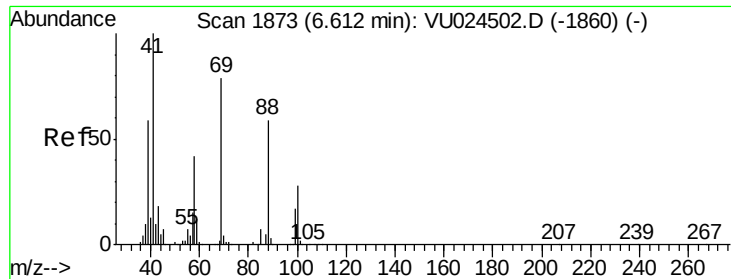


Abundance Ion 41.00 (40.70 to 41.70): VU025228.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025228.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025228.D (-1784) (-)





#49

1,4-Dioxane

Concen: 1270.90 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

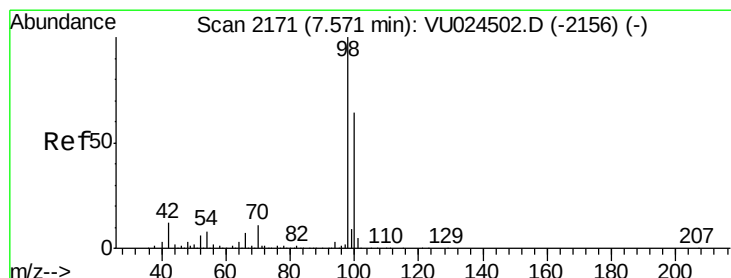
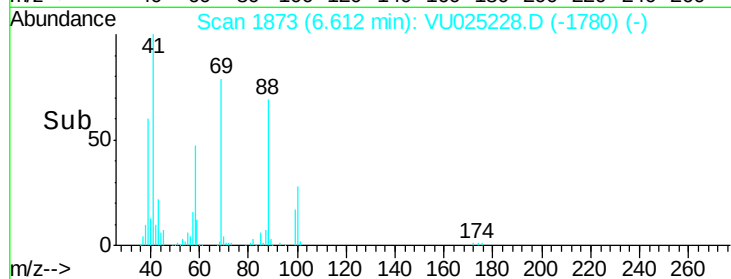
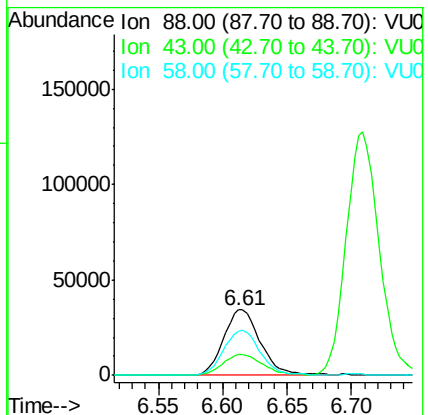
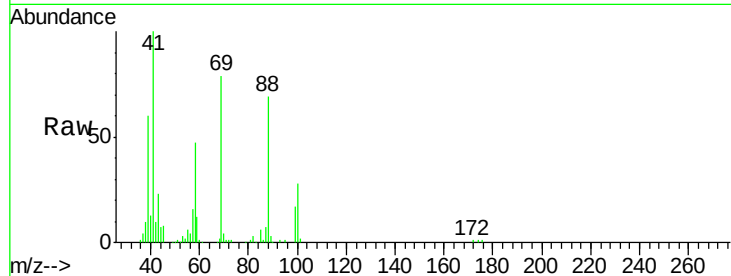
Tot Ion: 88 Resp: 66820

Ion Ratio Lower Upper

88 100

43 33.1 28.6 42.8

58 69.9 58.2 87.4



#50

Toluene-d8

Concen: 42.61 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025228.D

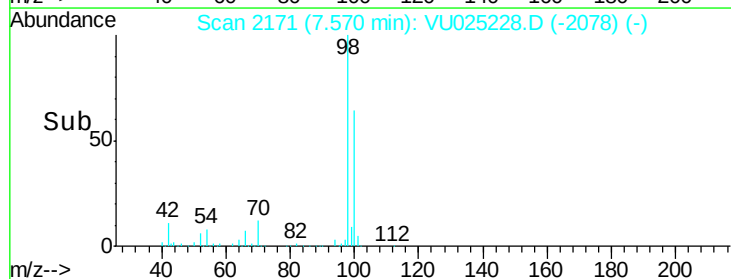
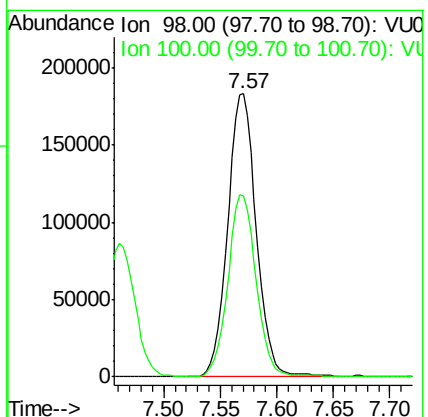
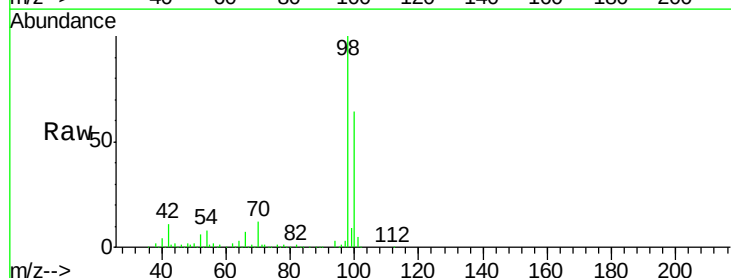
Acq: 05 Jul 2018 20:18

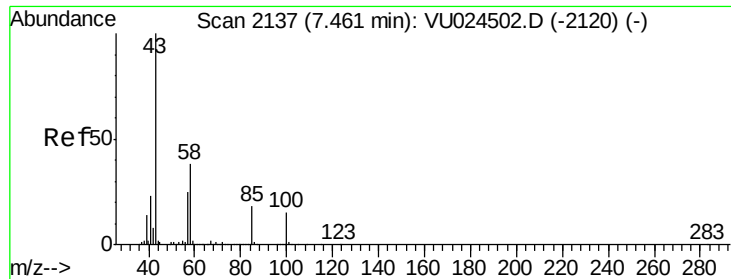
Tgt Ion: 98 Resp: 321702

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 275.32 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

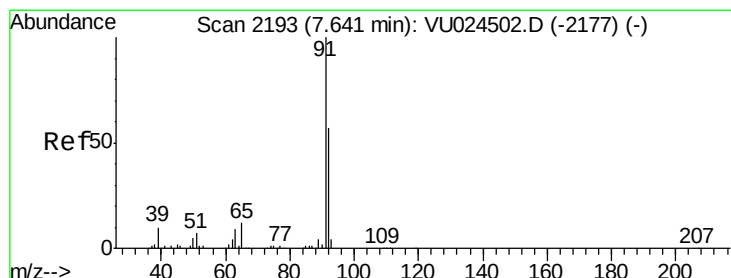
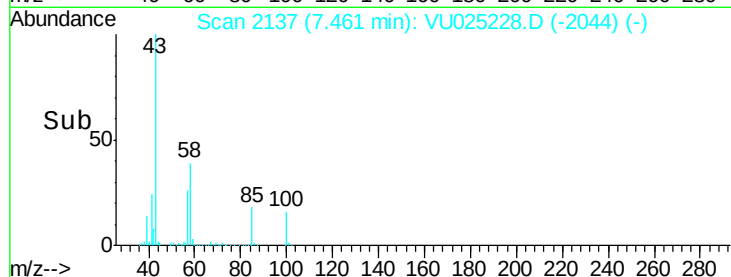
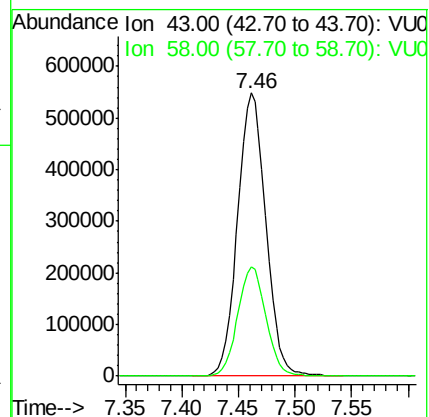
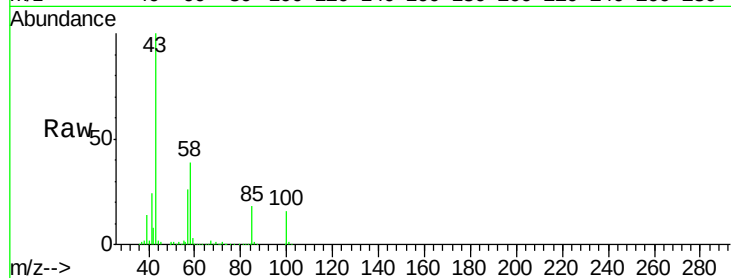
WP021MW470-180628MS

Tot Ion: 43 Resp: 954998

Ion Ratio Lower Upper

43 100

58 38.7 30.0 45.0



#52

Toluene

Concen: 54.03 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025228.D

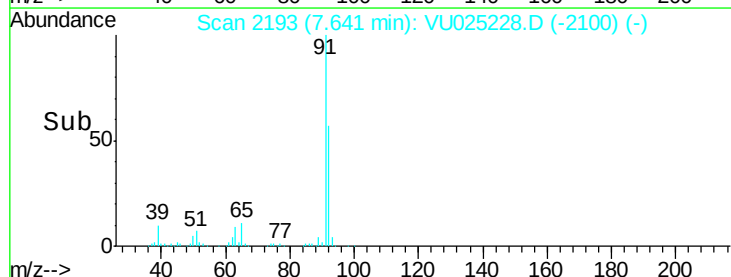
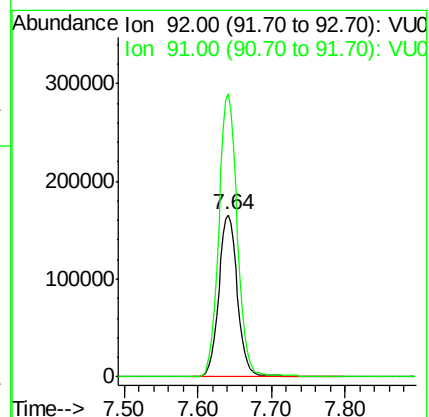
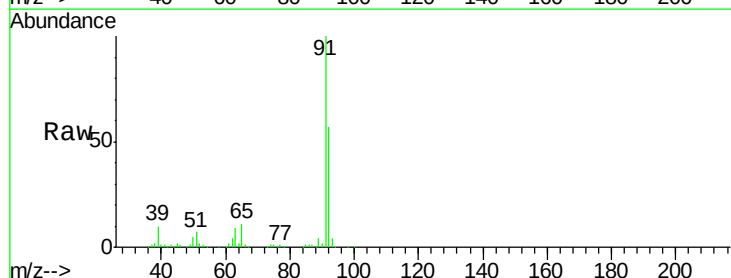
Acq: 05 Jul 2018 20:18

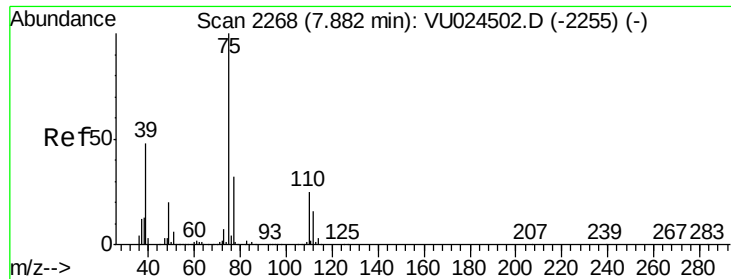
Tgt Ion: 92 Resp: 290248

Ion Ratio Lower Upper

92 100

91 172.0 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 49.29 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

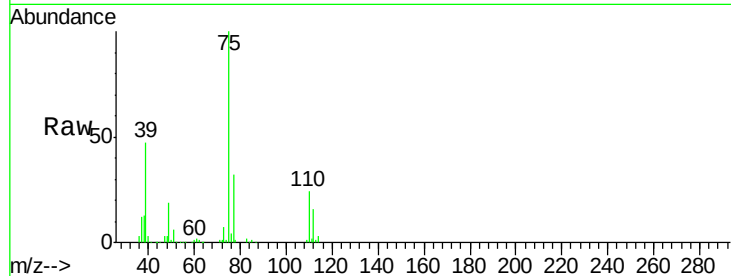
WP021MW470-180628MS

Tot Ion: 75 Resp: 172524

Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

60000

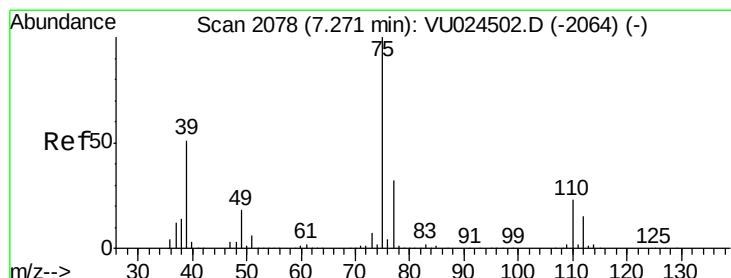
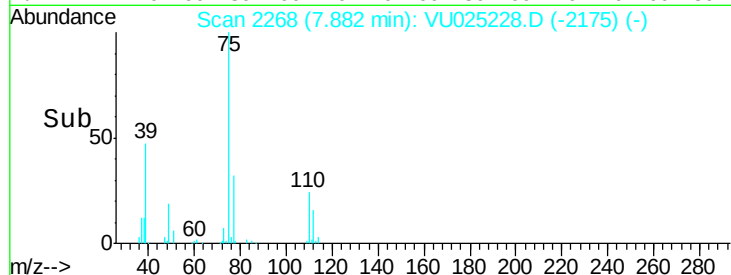
40000

20000

0

Time-->

7.80 7.85 7.90 7.95 8.00



#54

cis-1,3-Dichloropropene

Concen: 48.87 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

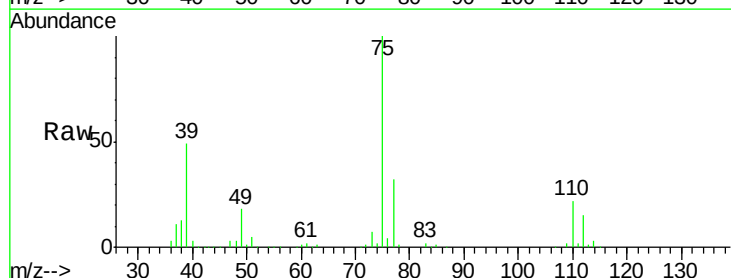
Tgt Ion: 75 Resp: 182250

Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 49.4 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

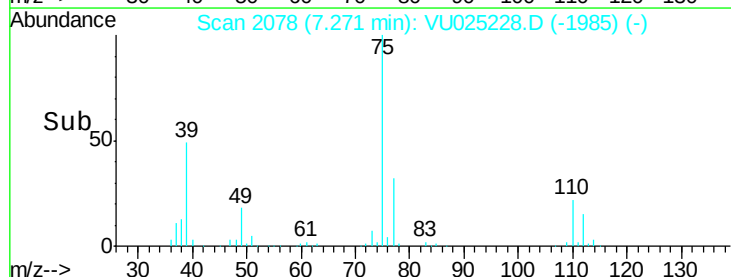
100000

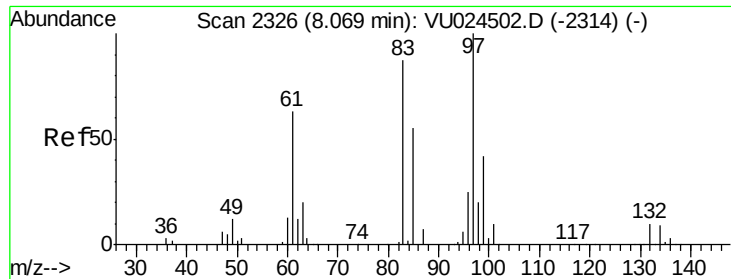
50000

0

Time-->

7.20 7.25 7.30 7.35

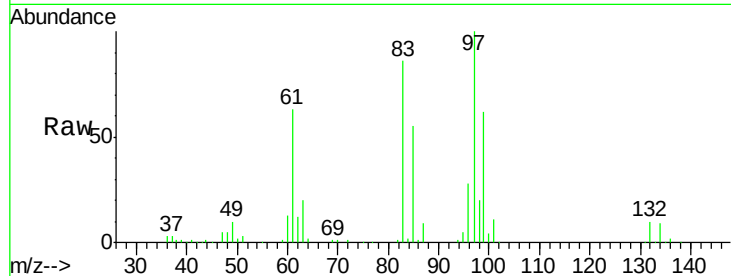




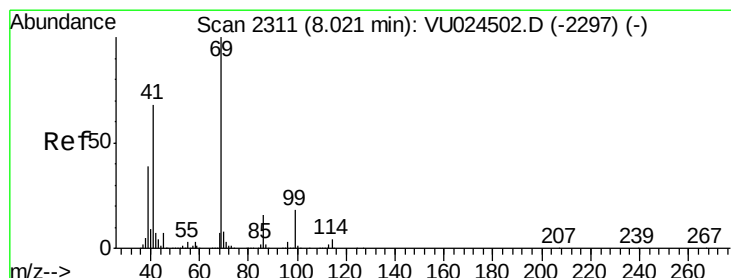
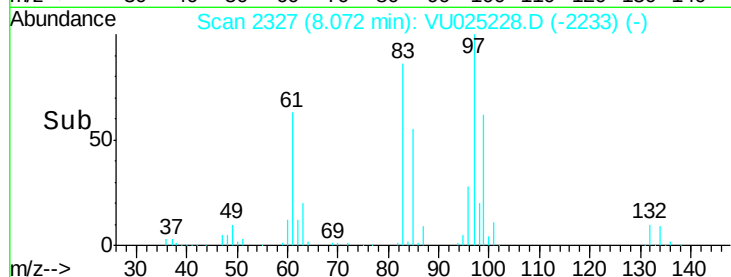
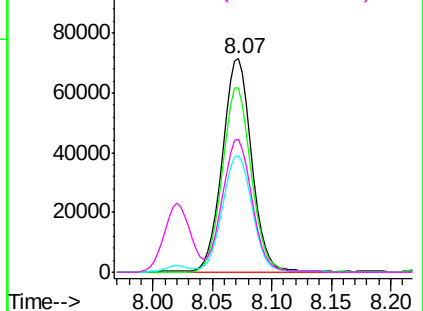
#55
 1,1,2-Trichloroethane
 Concen: 55.57 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion:	97	Resp:	121360
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.5	105.7
85	54.7	46.4	69.6
99	62.0	50.2	75.2

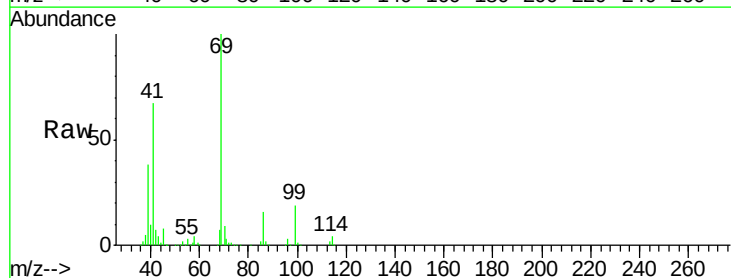


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

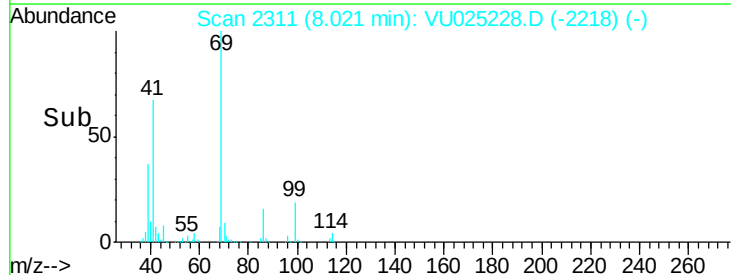
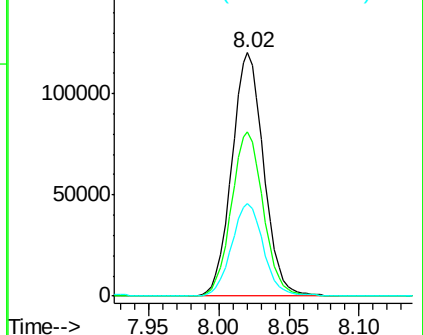


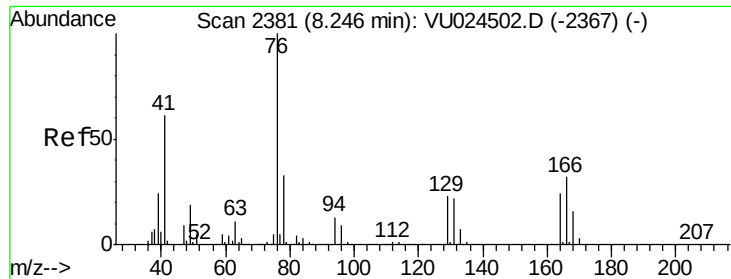
#56
 Ethyl methacrylate
 Concen: 52.07 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion:	69	Resp:	190337
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.1	81.1
39	37.2	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: 56.10 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

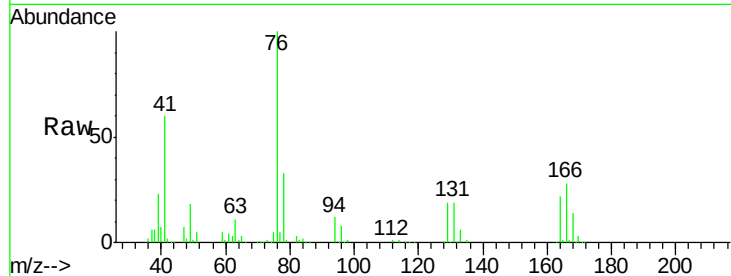
WP021MW470-180628MS

Tot Ion: 76 Resp: 206656

Ion Ratio Lower Upper

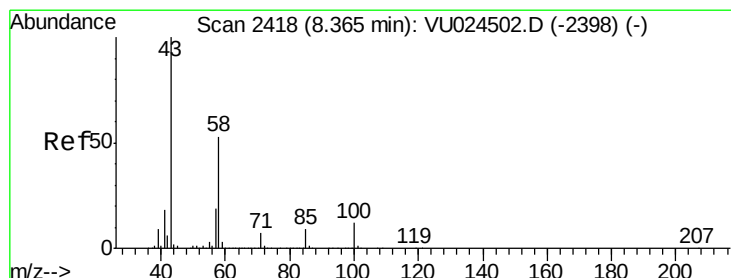
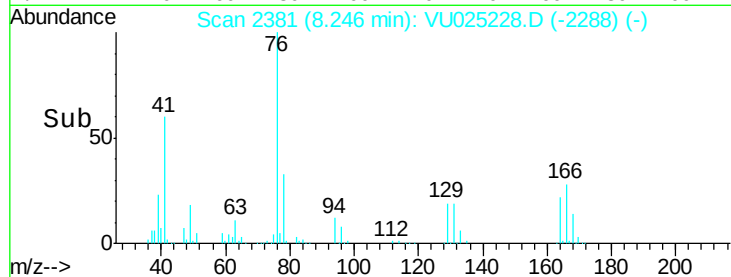
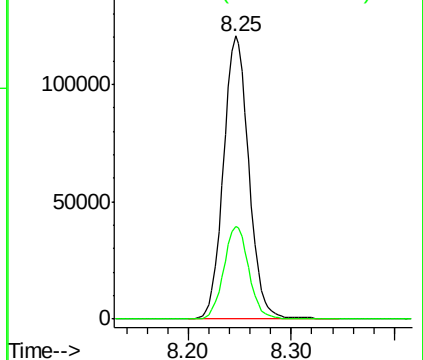
76 100

78 32.4 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 268.70 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU025228.D

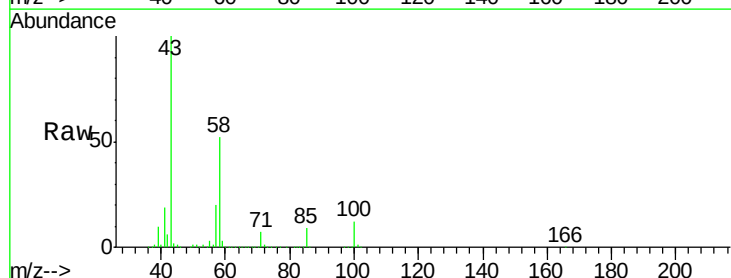
Acq: 05 Jul 2018 20:18

Tgt Ion: 43 Resp: 760919

Ion Ratio Lower Upper

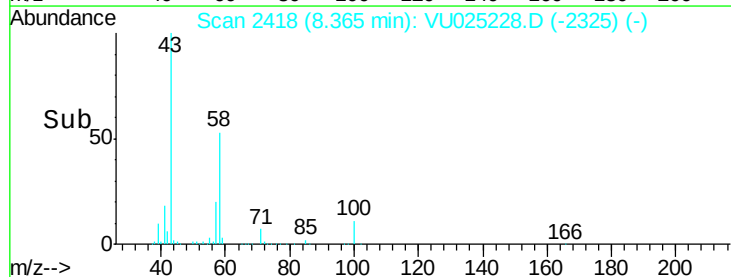
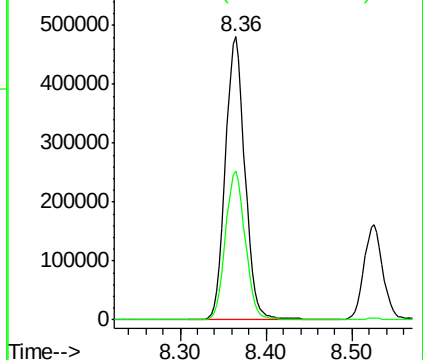
43 100

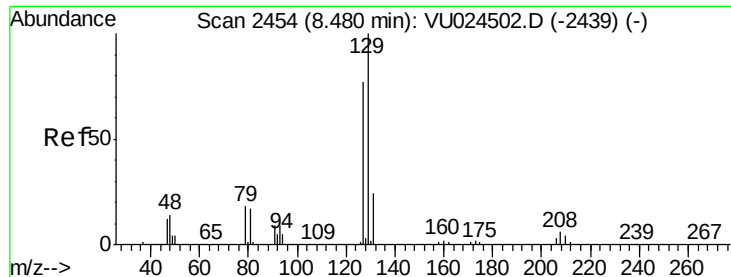
58 53.3 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 51.28 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

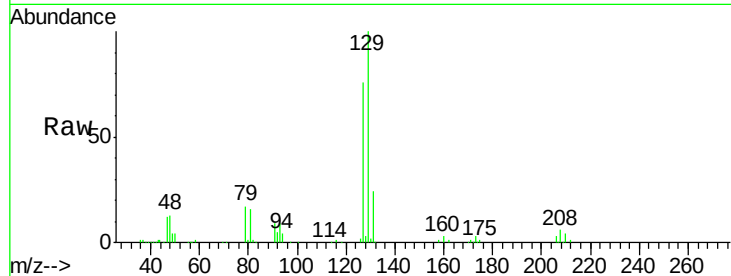
WP021MW470-180628MS

Tot Ion:129 Resp: 139649

Ion Ratio Lower Upper

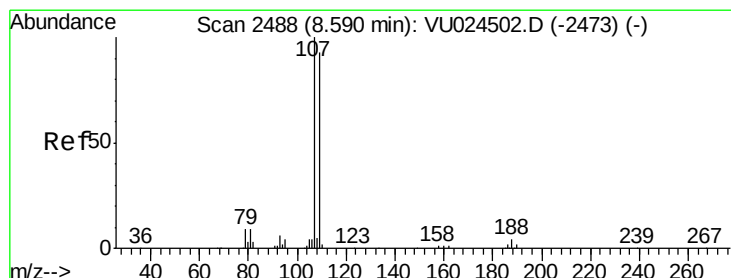
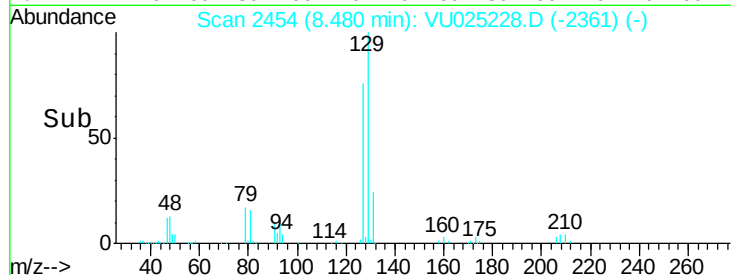
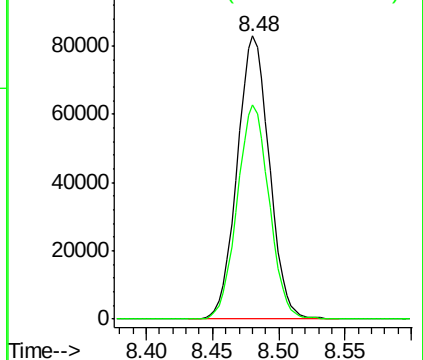
129 100

127 75.4 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.21 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025228.D

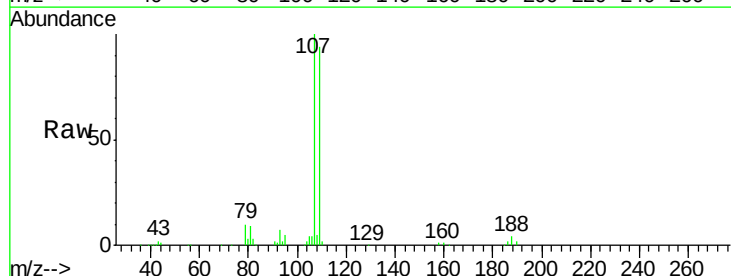
Acq: 05 Jul 2018 20:18

Tgt Ion:107 Resp: 131763

Ion Ratio Lower Upper

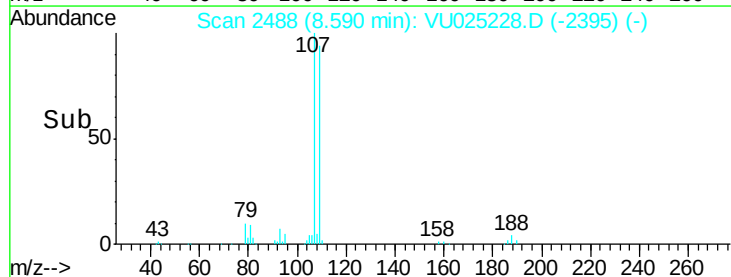
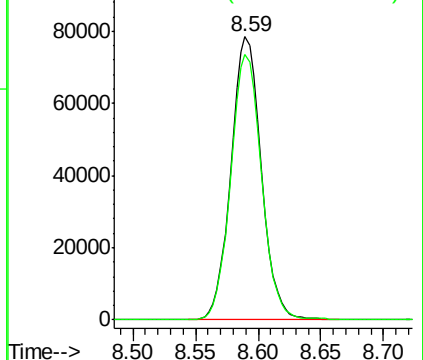
107 100

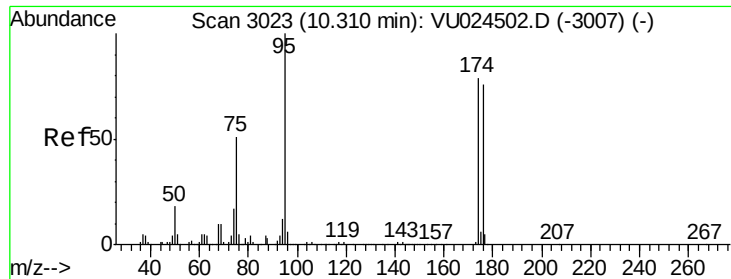
109 95.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

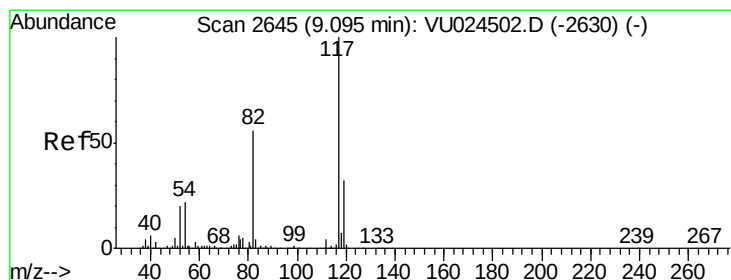
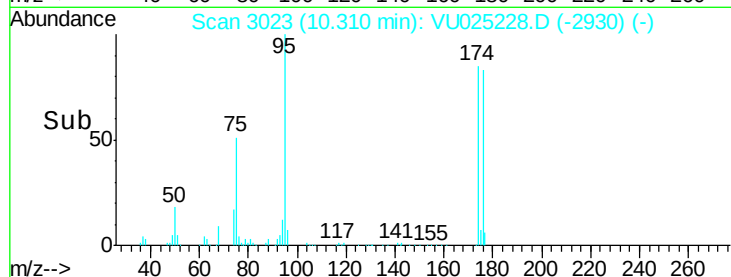
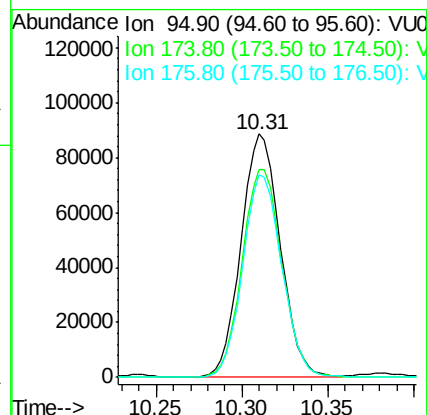
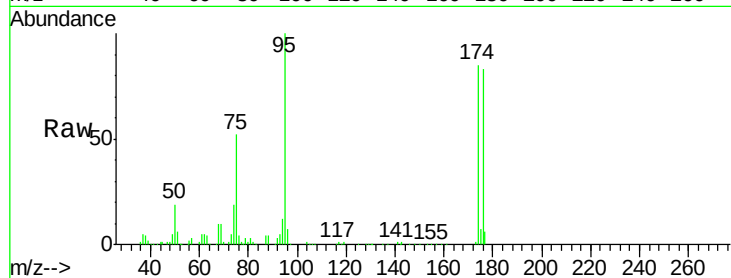




#62
4-Bromofluorobenzene
Concen: 46.51 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

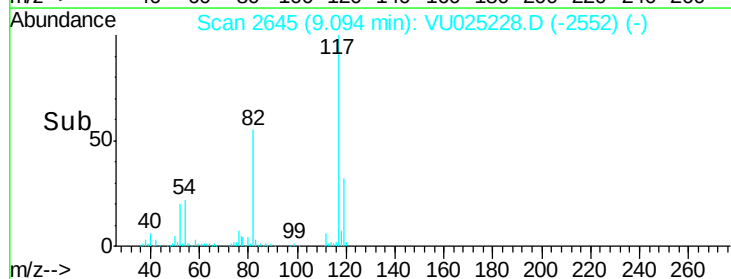
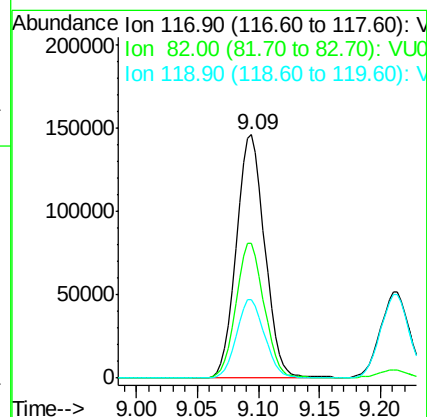
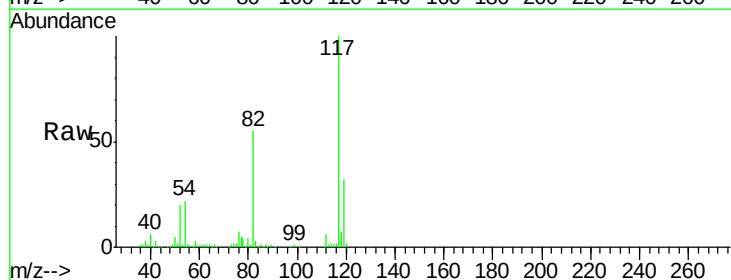
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

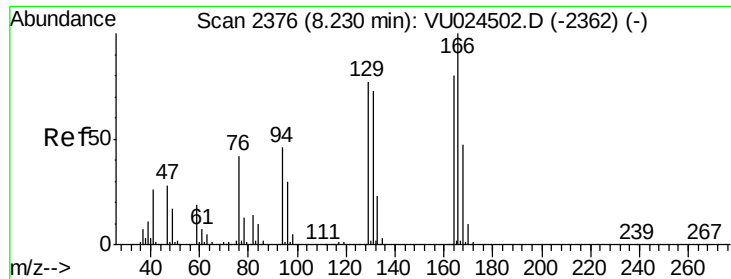
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	165.8
176	83.4	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.3	25.4	38.2





#64

Tetrachloroethene

Concen: 46.39 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion:164 Resp: 104587

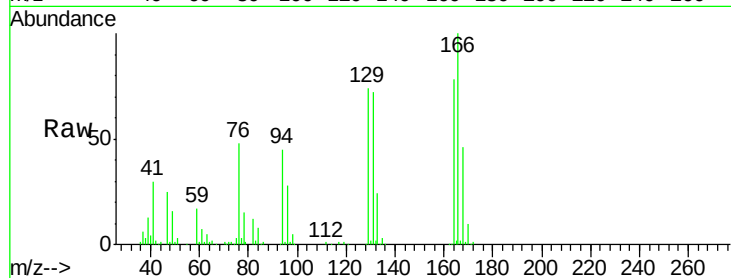
Ion Ratio Lower Upper

164 100

166 127.4 101.7 152.5

129 94.8 76.9 115.3

131 92.0 74.9 112.3

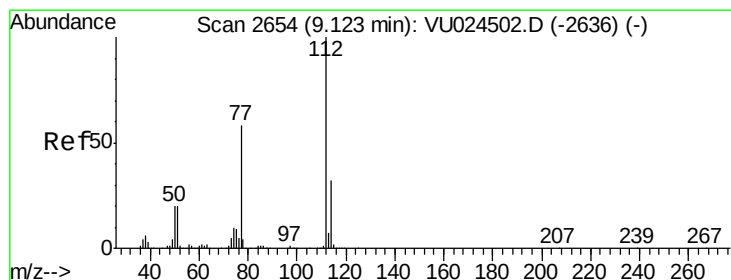
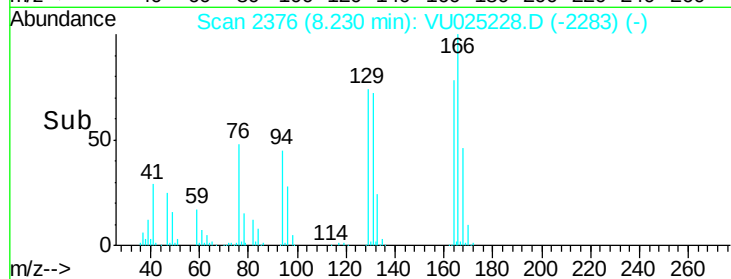
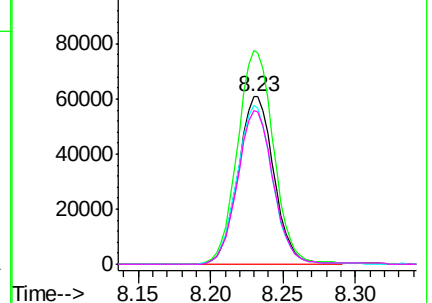


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 81.58 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025228.D

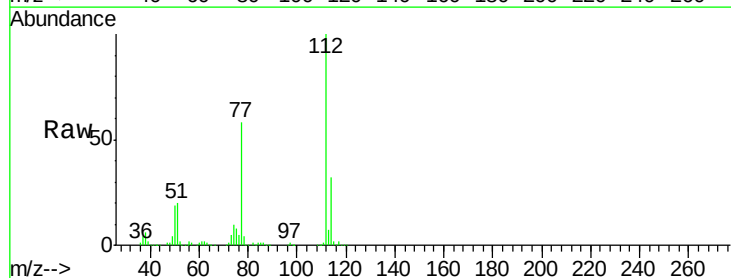
Acq: 05 Jul 2018 20:18

Tgt Ion:112 Resp: 494346

Ion Ratio Lower Upper

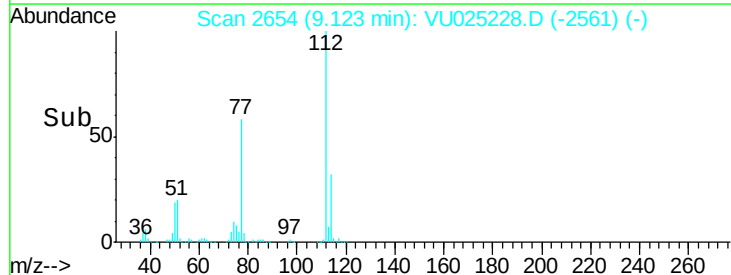
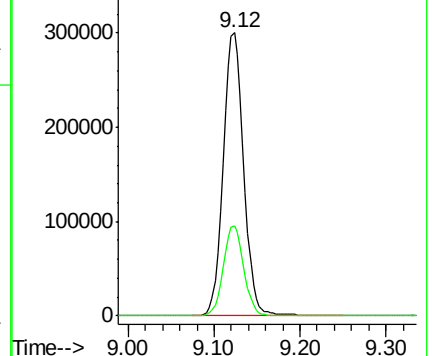
112 100

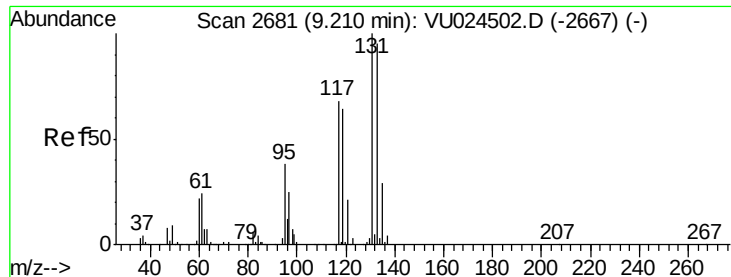
114 31.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.60 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

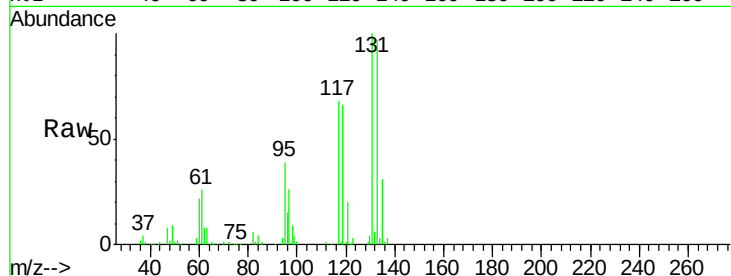
Tot Ion:131 Resp: 125696

Ion Ratio Lower Upper

131 100

133 95.9 46.9 140.8

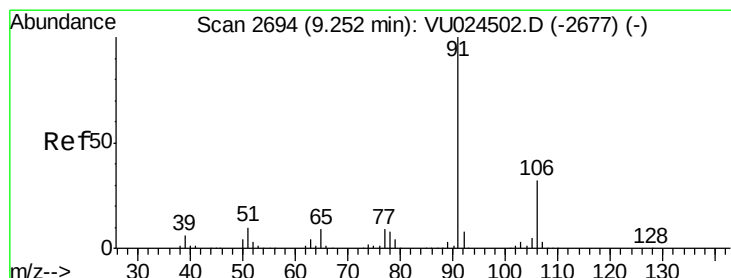
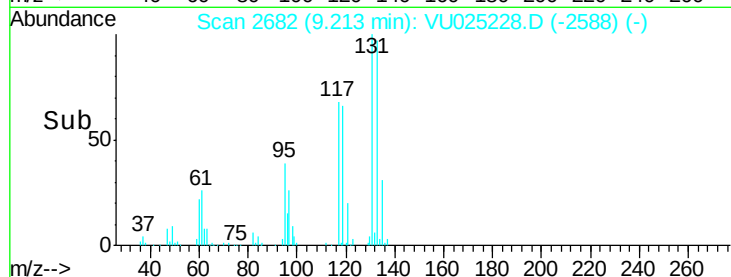
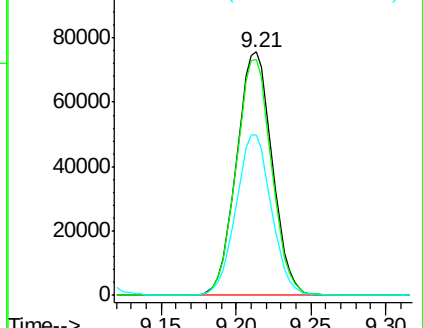
119 65.5 33.5 100.4



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: 53.51 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025228.D

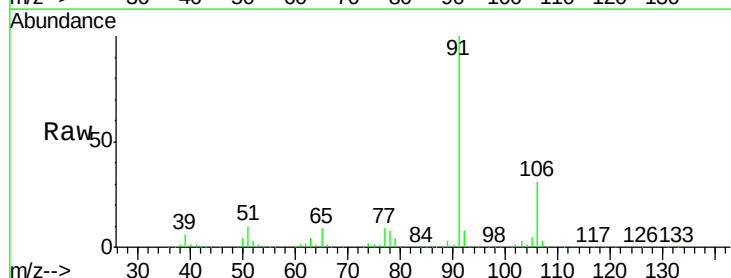
Acq: 05 Jul 2018 20:18

Tgt Ion: 91 Resp: 568459

Ion Ratio Lower Upper

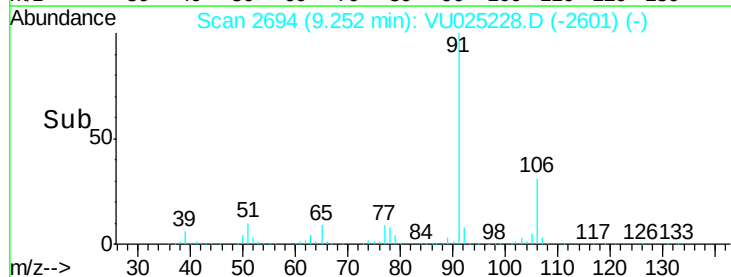
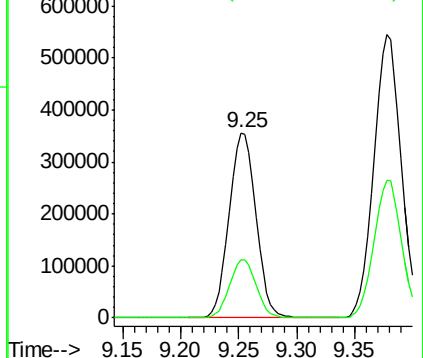
91 100

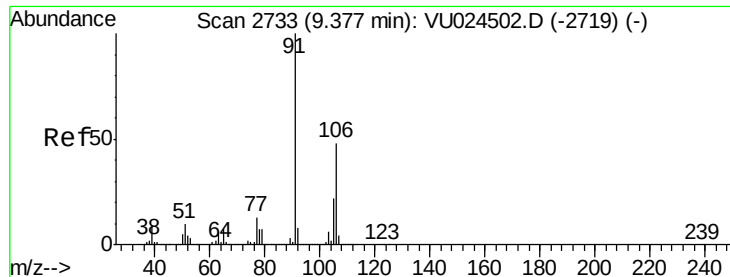
106 31.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

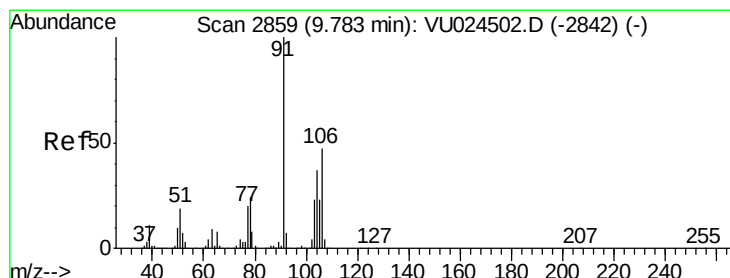
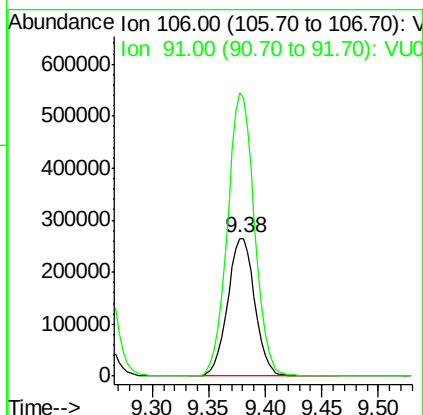
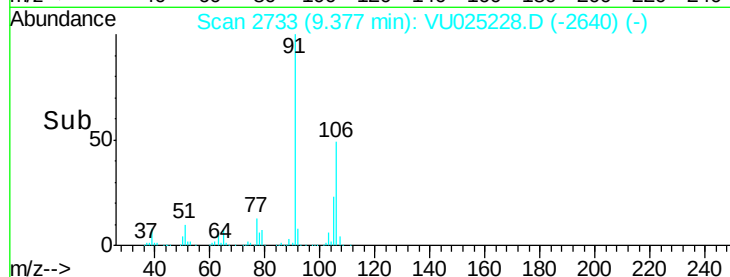
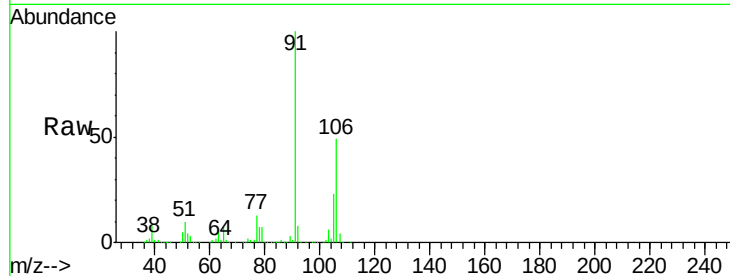




#68
m/p-Xylenes
Concen: 108.30 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

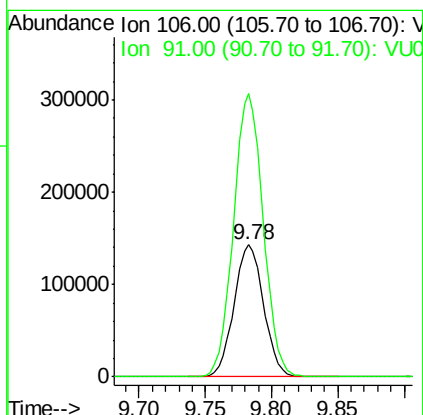
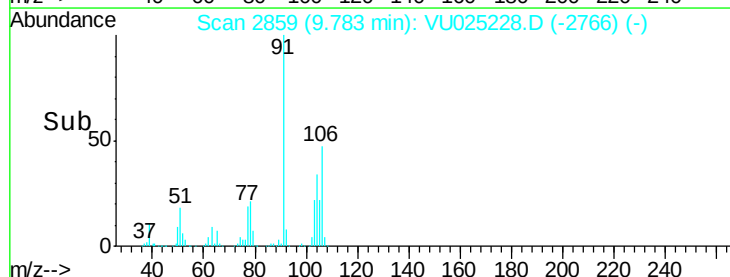
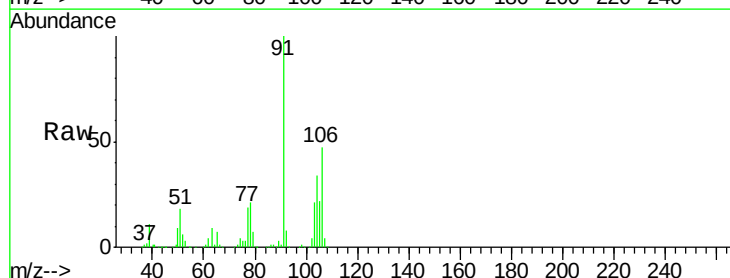
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

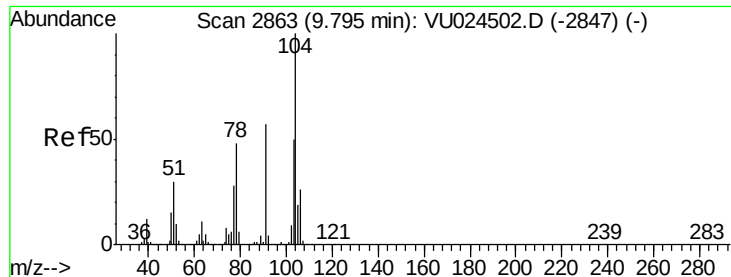
Tot Ion:106 Resp: 441765
Ion Ratio Lower Upper
106 100
91 204.1 166.5 249.7



#69
o-Xylene
Concen: 54.88 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion:106 Resp: 221549
Ion Ratio Lower Upper
106 100
91 215.2 110.7 331.9

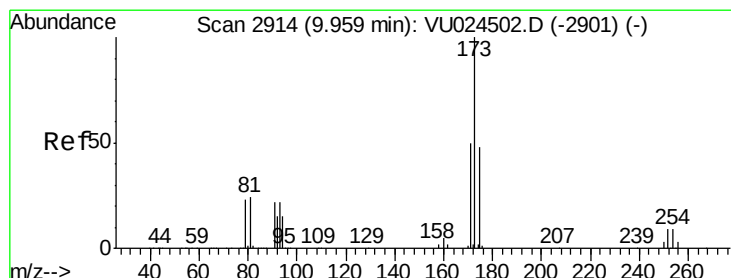
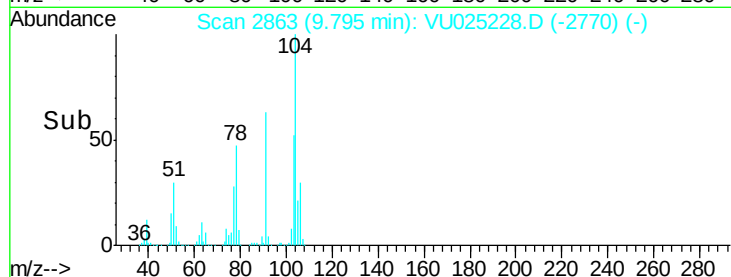
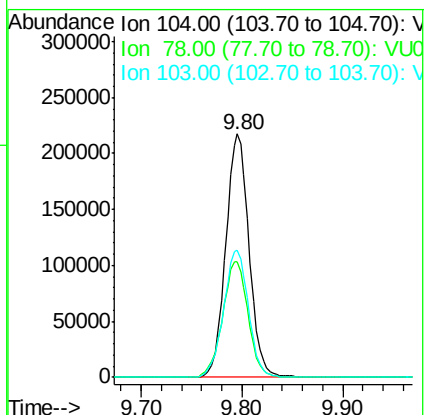
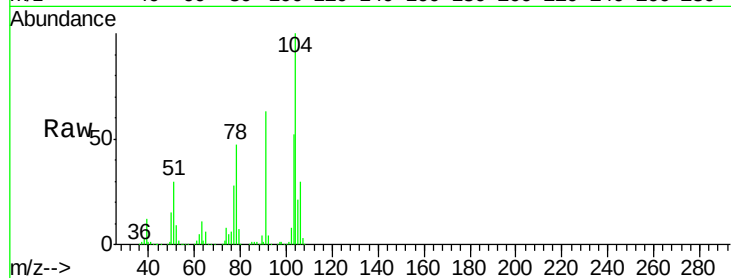




#70
Stvrene
Concen: 52.92 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

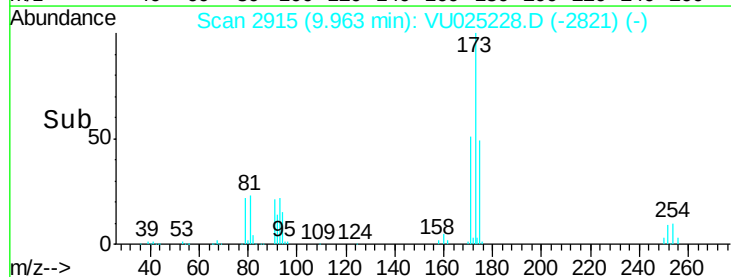
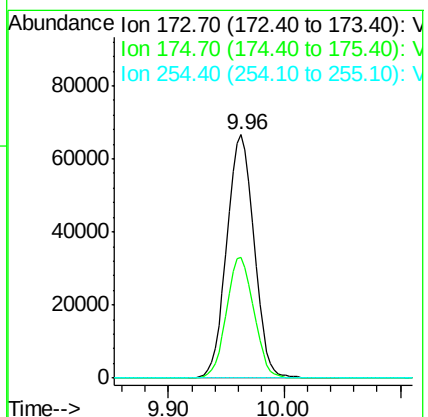
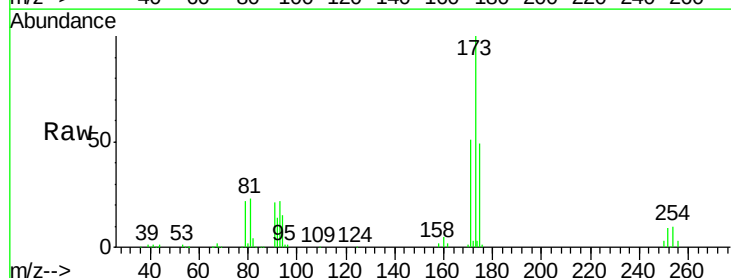
Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

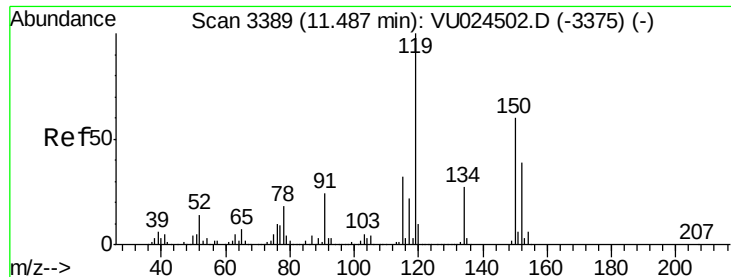
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.6	60.8
103	55.7	44.7	67.1



#71
Bromoform
Concen: 49.50 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	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: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

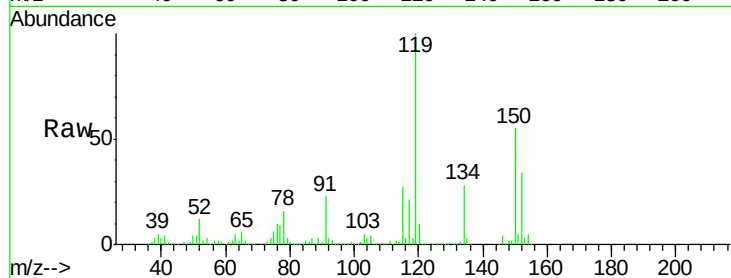
Tot Ion:152 Resp: 141367

Ion Ratio Lower Upper

152 100

115 84.6 43.0 129.0

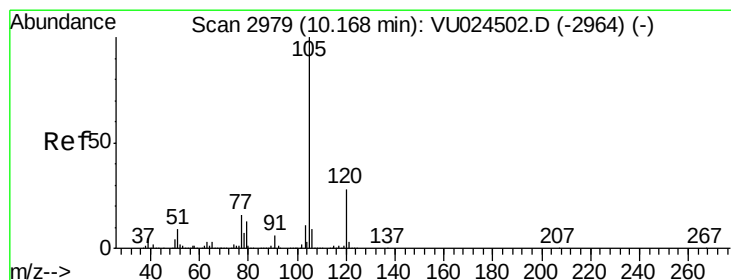
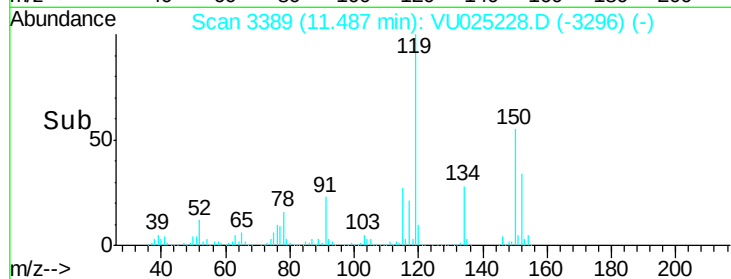
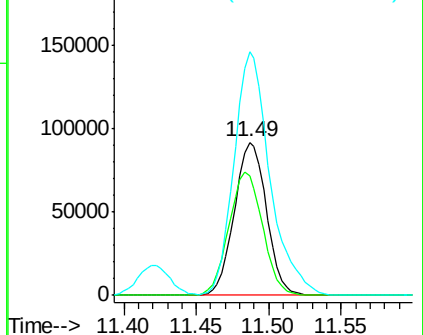
150 178.3 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 54.78 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025228.D

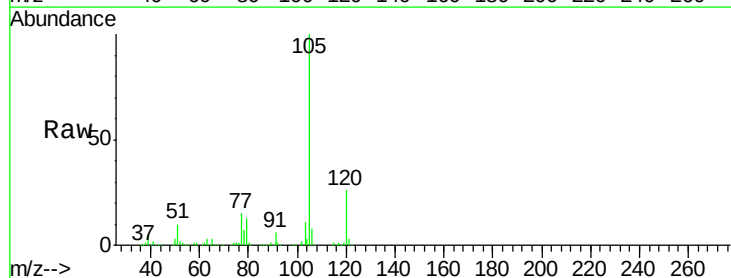
Acq: 05 Jul 2018 20:18

Tgt Ion:105 Resp: 594531

Ion Ratio Lower Upper

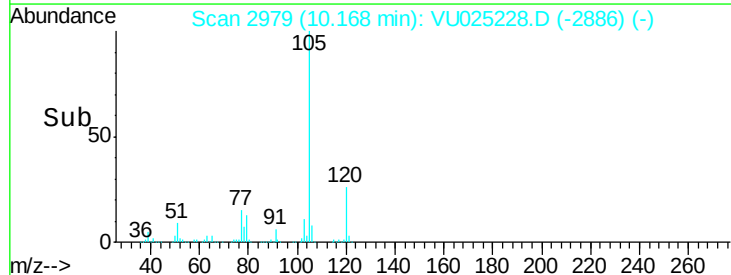
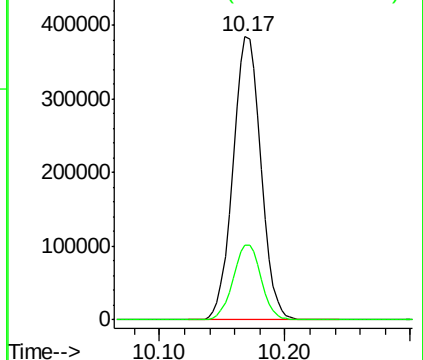
105 100

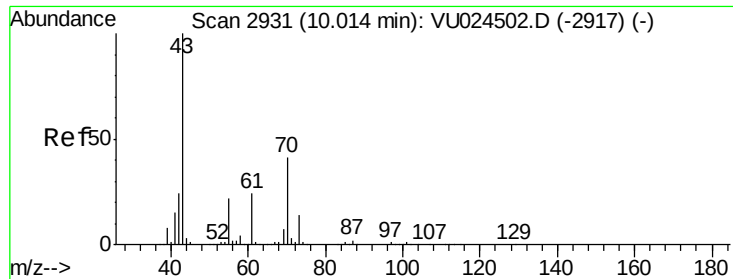
120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.11 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 43 Resp: 248373

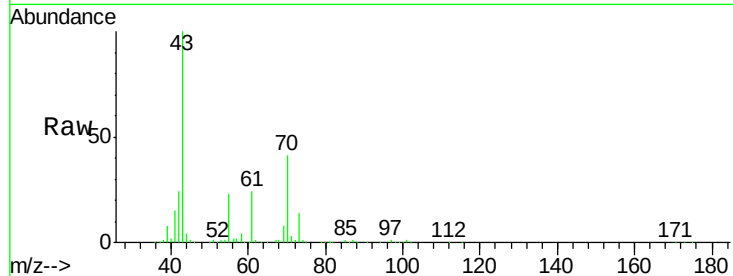
Ion Ratio Lower Upper

43 100

70 41.8 32.2 48.4

55 25.1 20.5 30.7

61 23.8 18.7 28.1

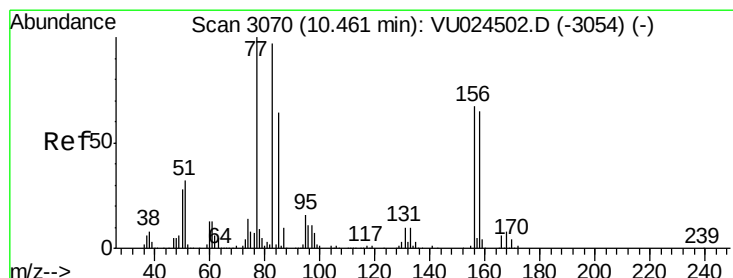
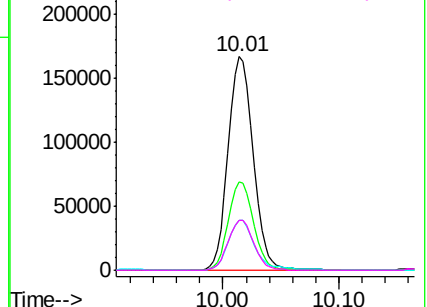
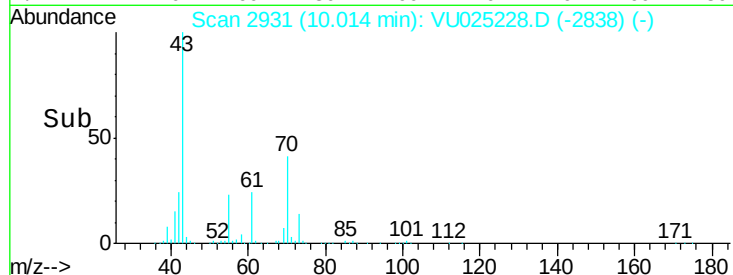


Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2917) (-)

Ion 70.00 (69.70 to 70.70): VU024502.D (-2917) (-)

Ion 55.00 (54.70 to 55.70): VU024502.D (-2917) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-2917) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 55.92 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

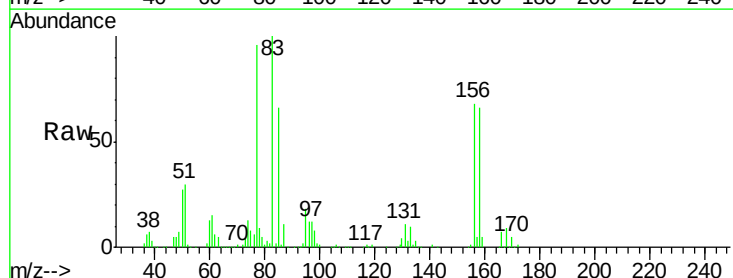
Tgt Ion: 83 Resp: 203381

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

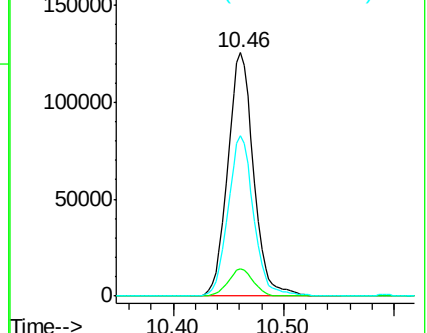
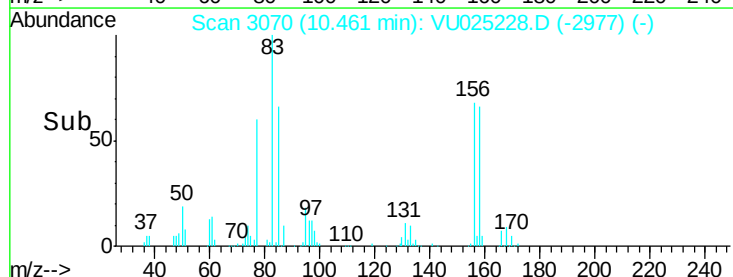
85 65.6 32.5 97.5

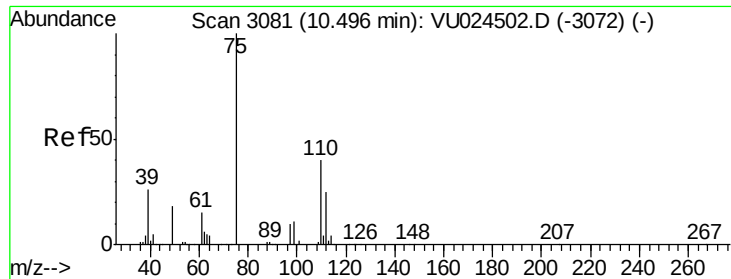


Abundance Ion 82.90 (82.60 to 83.60): VU024502.D (-3054) (-)

Ion 130.80 (130.50 to 131.50): VU024502.D (-3054) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-3054) (-)

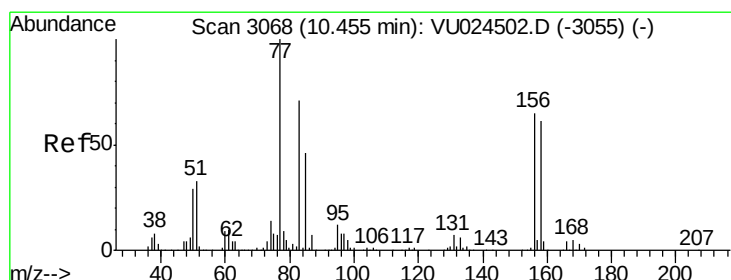
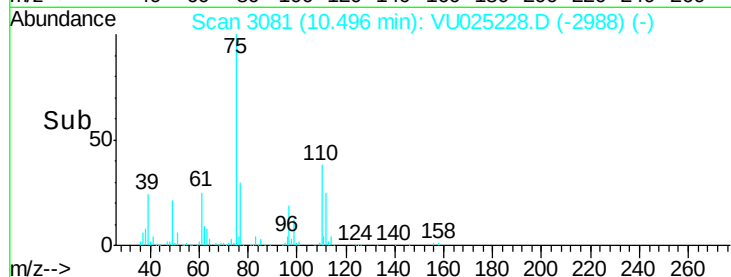
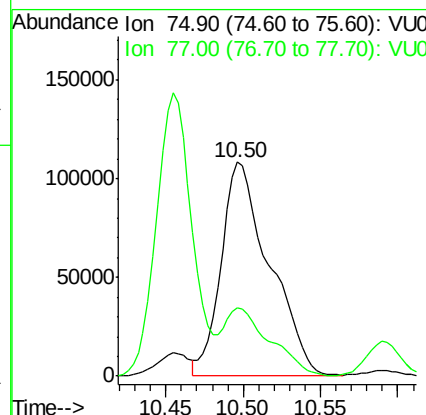
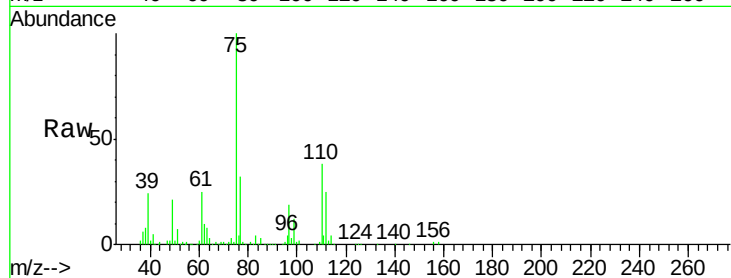




#76
 1,2,3-Trichloropropane
 Concen: 75.67 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

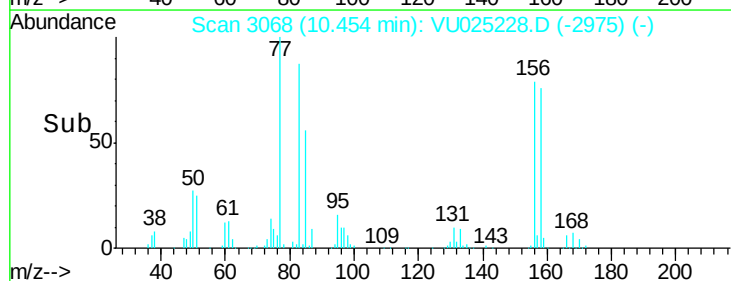
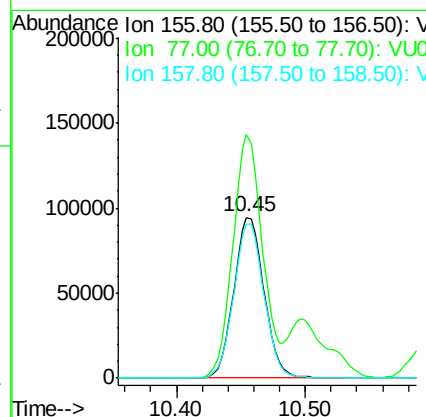
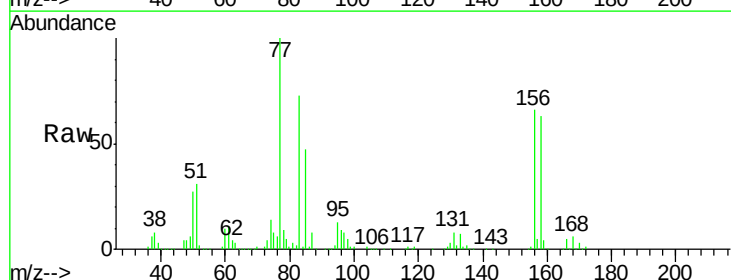
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

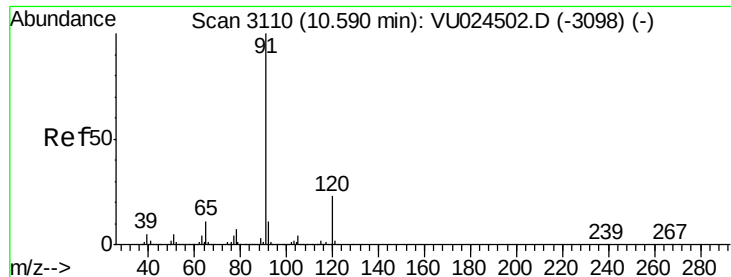
Tot Ion: 75 Resp: 23515
 Ion Ratio Lower Upper
 75 100
 77 29.7 20.9 62.7



#77
 Bromobenzene
 Concen: 55.93 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion: 156 Resp: 153667
 Ion Ratio Lower Upper
 156 100
 77 148.8 80.5 241.3
 158 96.5 48.2 144.6





#78

n-propylbenzene

Concen: 51.60 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

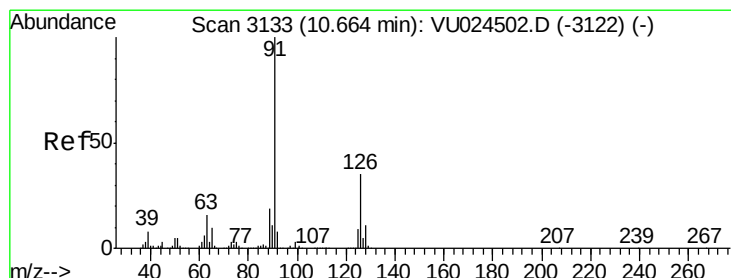
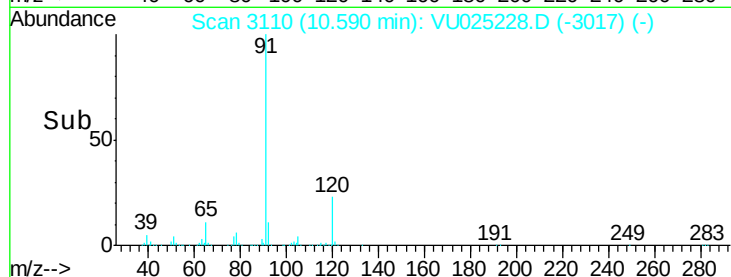
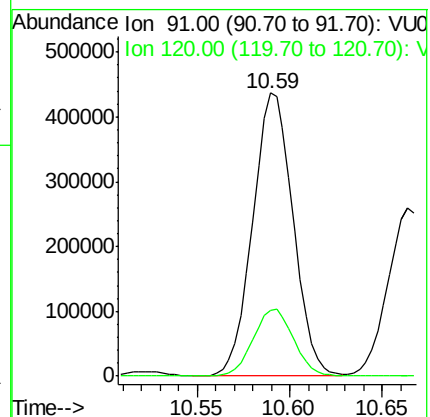
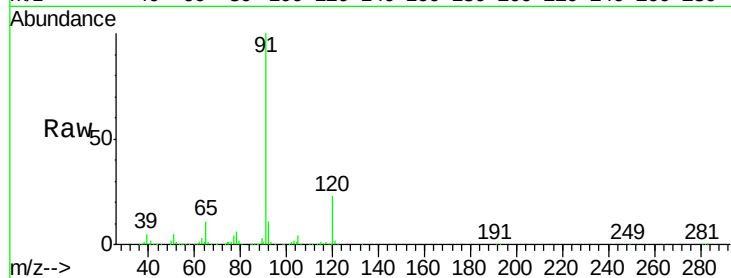
WP021MW470-180628MS

Tot Ion: 91 Resp: 659738

Ion Ratio Lower Upper

91 100

120 23.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 53.36 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025228.D

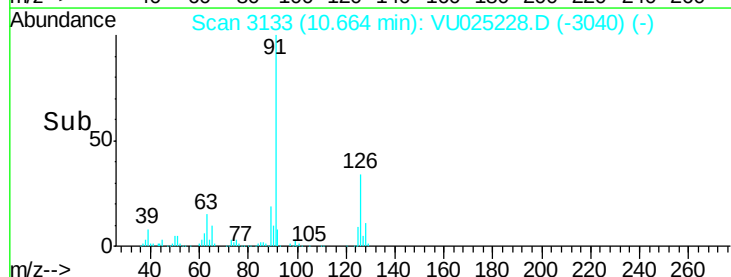
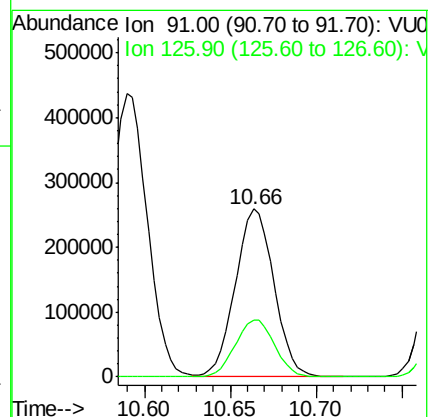
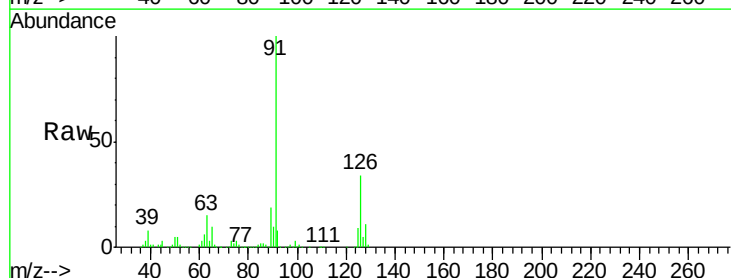
Acq: 05 Jul 2018 20:18

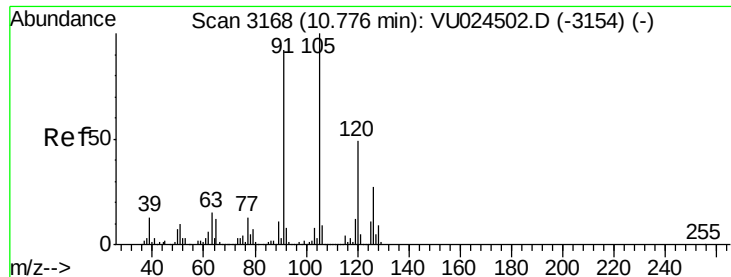
Tgt Ion: 91 Resp: 402327

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.7

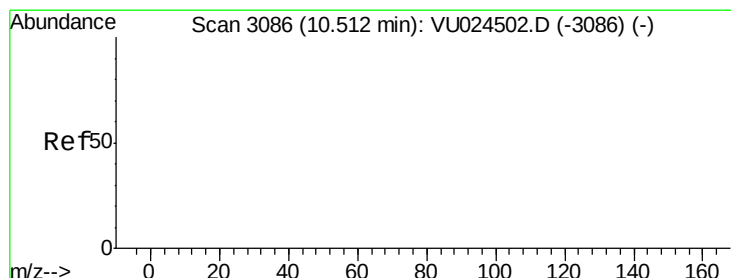
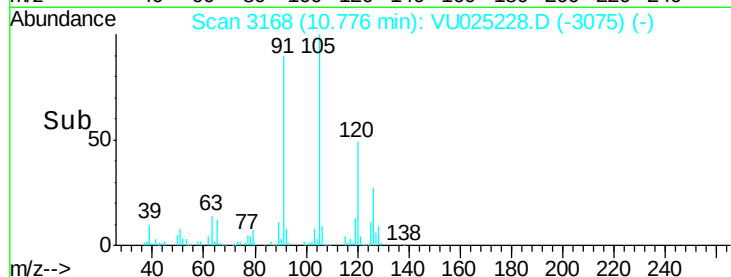
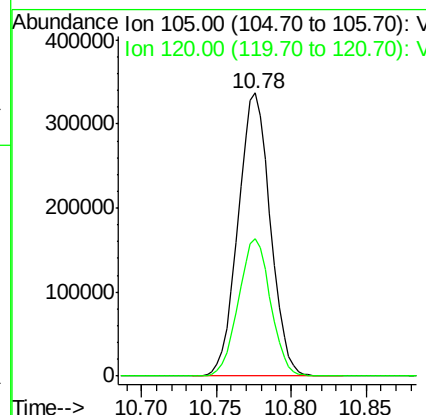
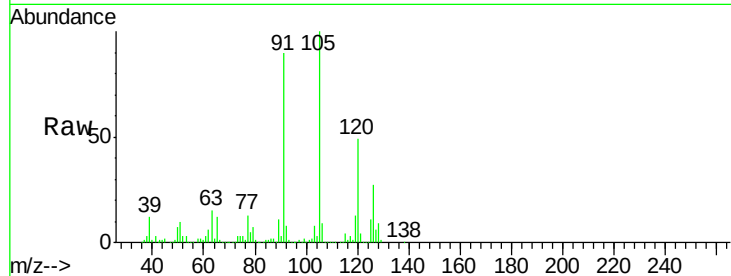




#80
 1,3,5-Trimethylbenzene
 Concen: 53.67 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

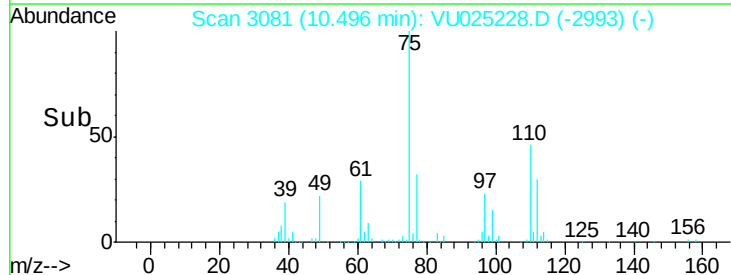
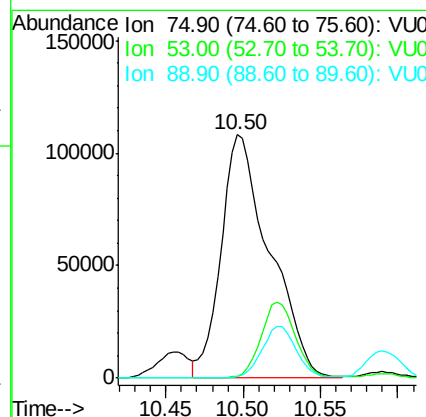
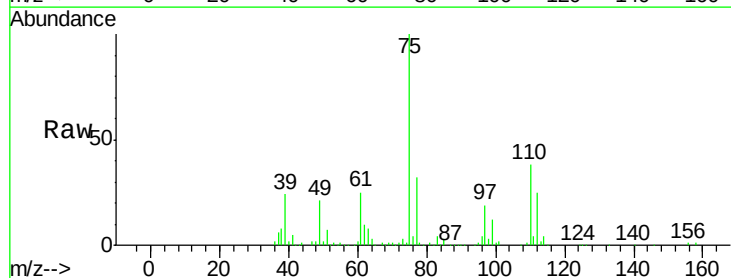
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

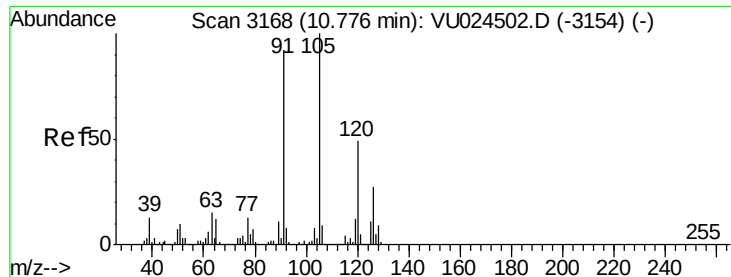
Tot Ion:105 Resp: 504846
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.13 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.02 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion: 75 Resp: 235515
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 52.12 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

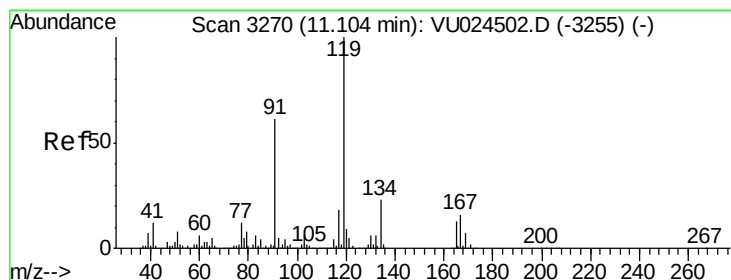
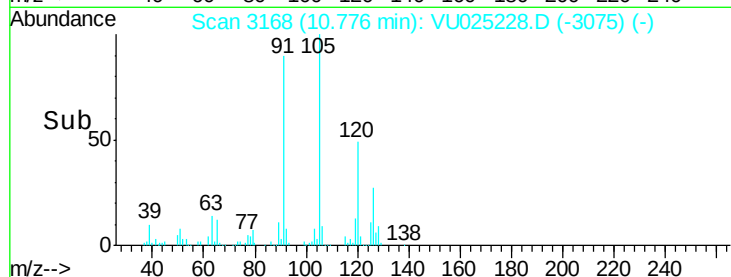
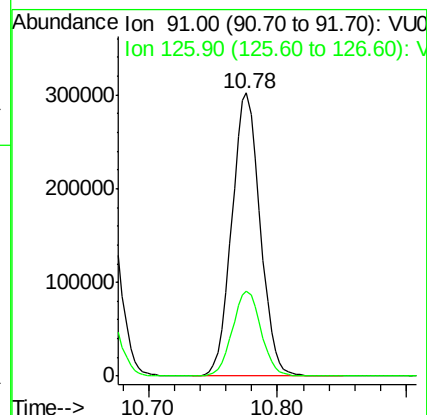
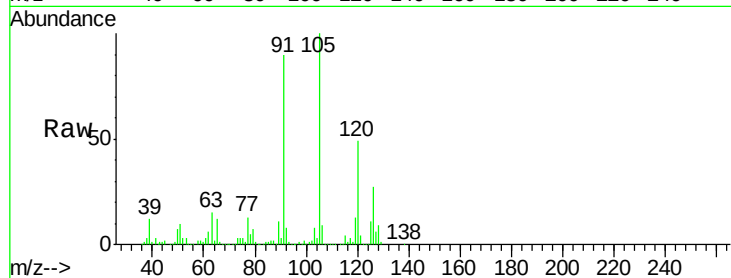
WP021MW470-180628MS

Tot Ion: 91 Resp: 457376

Ion Ratio Lower Upper

91 100

126 30.6 14.9 44.9



#83

tert-Butylbenzene

Concen: 58.38 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

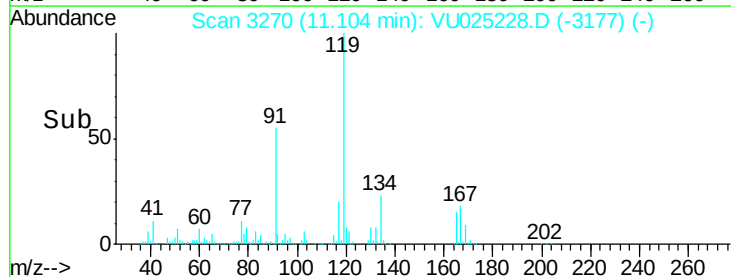
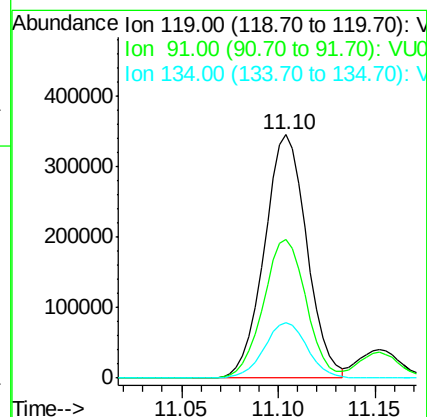
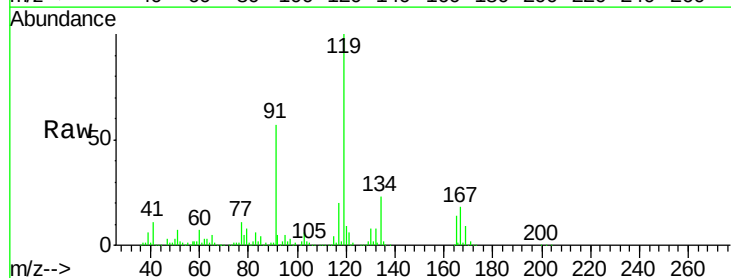
Tgt Ion: 119 Resp: 528299

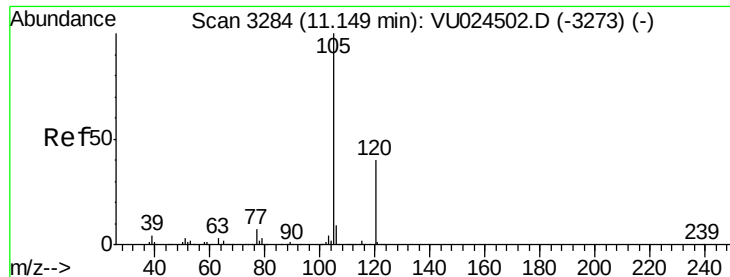
Ion Ratio Lower Upper

119 100

91 57.8 29.7 89.1

134 22.9 11.6 34.7

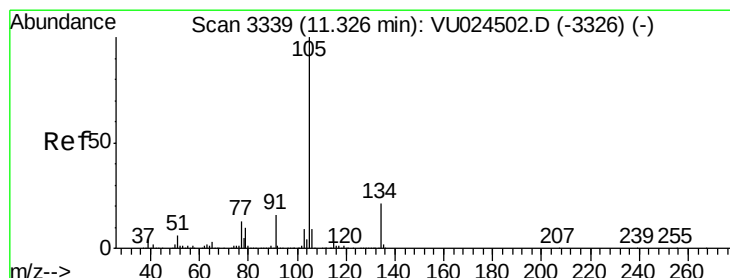
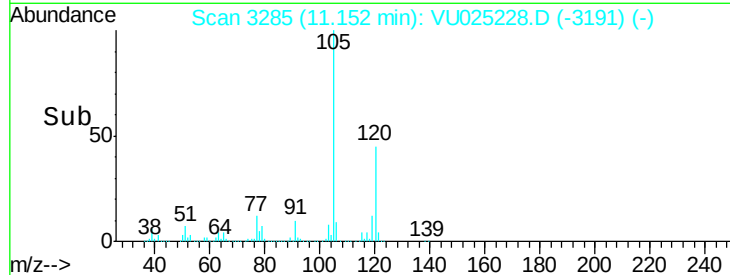
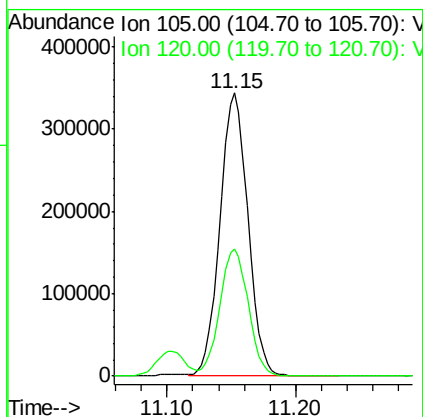
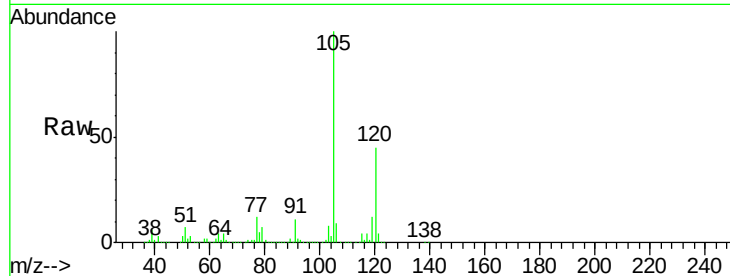




#84
 1,2,4-Trimethylbenzene
 Concen: 53.77 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

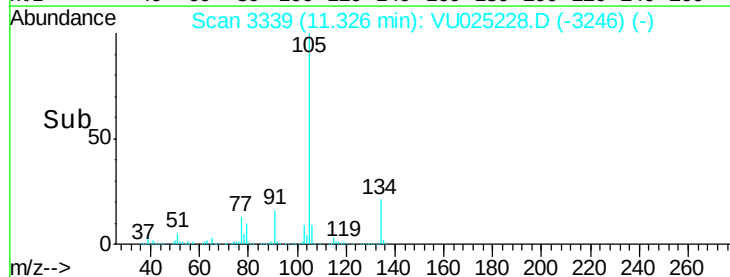
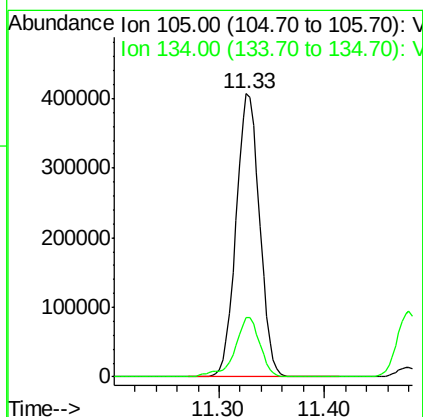
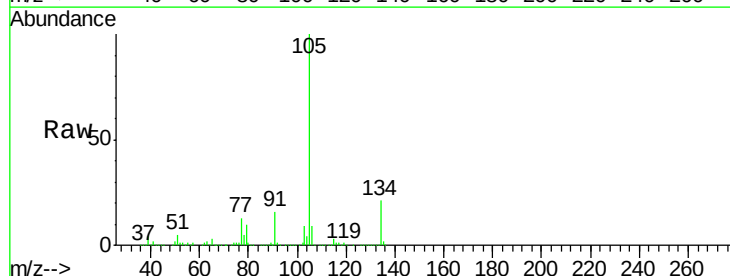
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

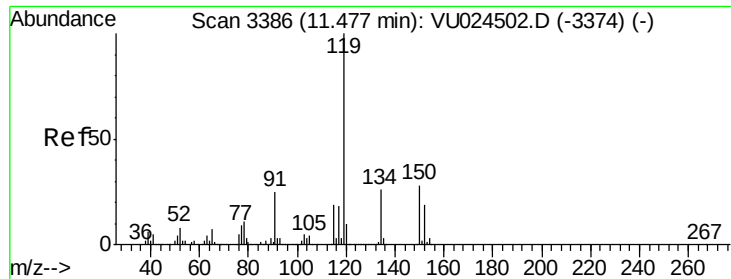
Tot Ion:105 Resp: 515519
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 55.27 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion:105 Resp: 626050
 Ion Ratio Lower Upper
 105 100
 134 22.5 9.7 29.1

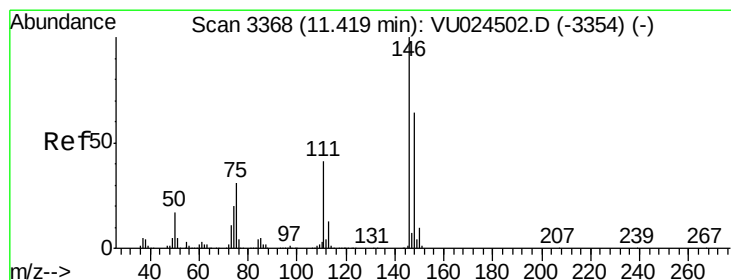
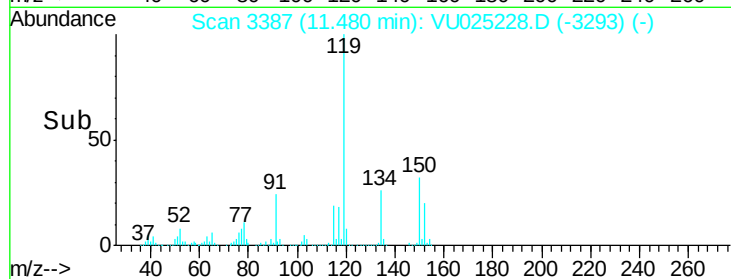
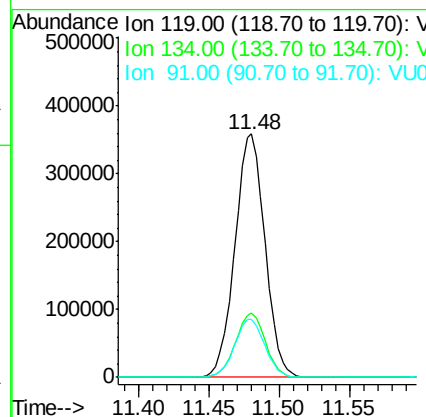
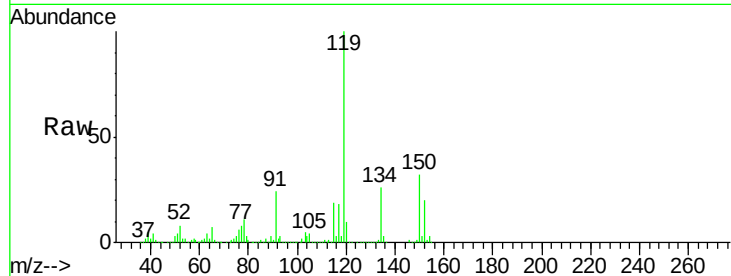




#86
 p-Isopropyltoluene
 Concen: 52.68 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

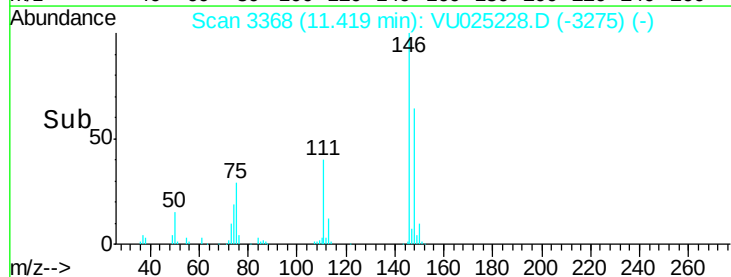
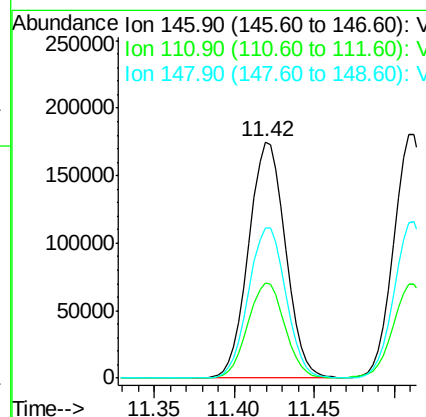
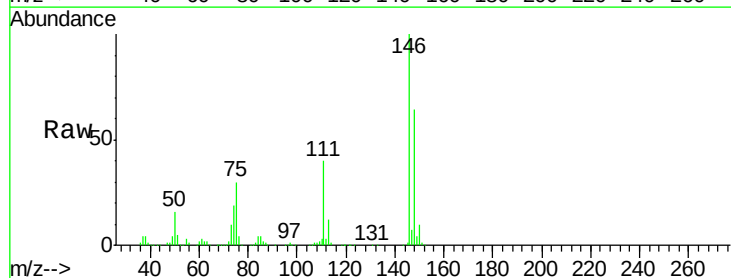
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

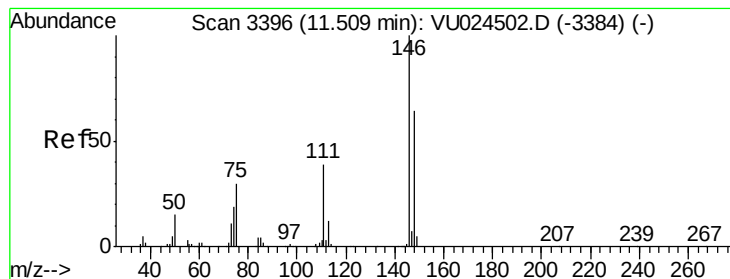
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	24.0	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 54.31 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	64.7	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 55.05 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

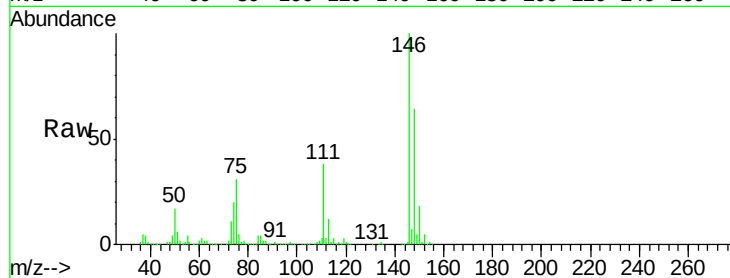
Tot Ion:146 Resp: 281261

Ion Ratio Lower Upper

146 100

111 39.4 19.5 58.5

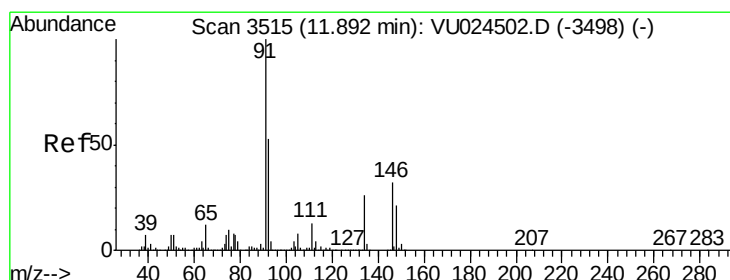
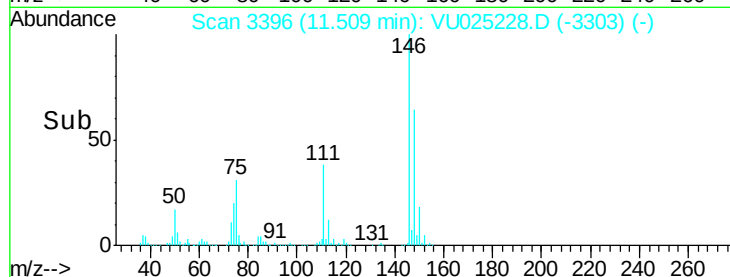
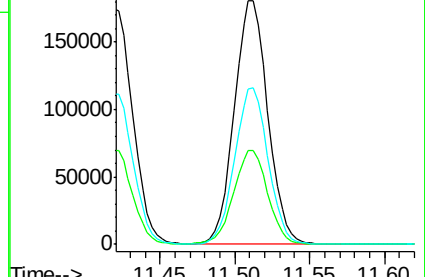
148 64.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 46.97 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

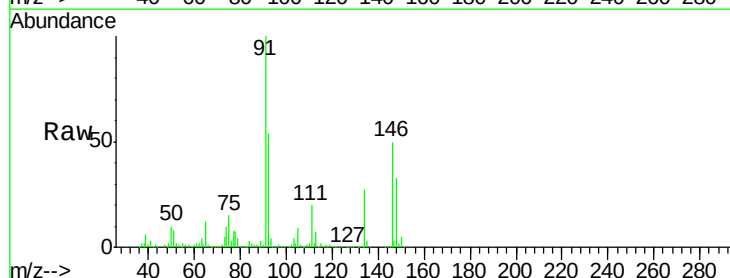
Tgt Ion: 91 Resp: 423013

Ion Ratio Lower Upper

91 100

92 53.3 25.6 76.8

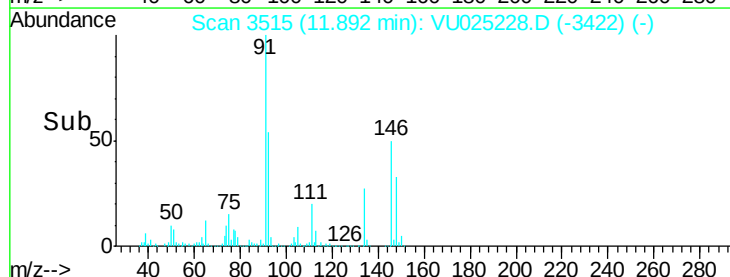
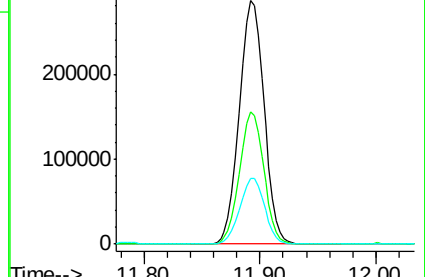
134 27.1 12.3 36.8

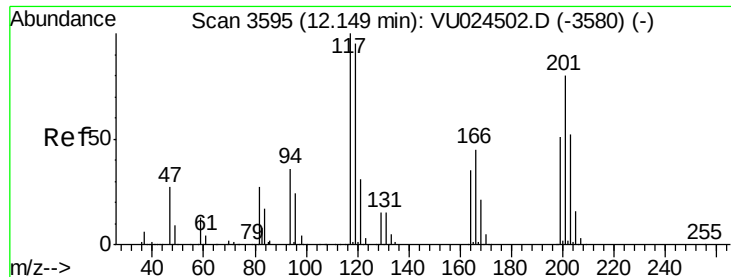


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 48.16 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

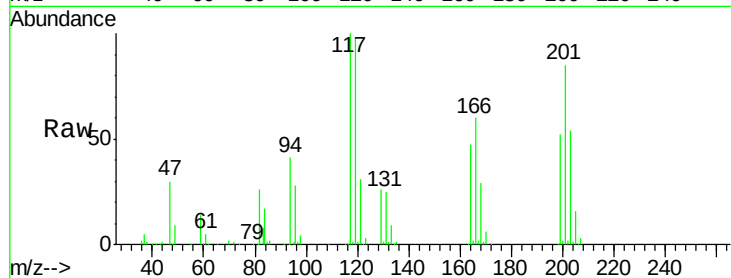
WP021MW470-180628MS

Tot Ion:117 Resp: 95301

Ion Ratio Lower Upper

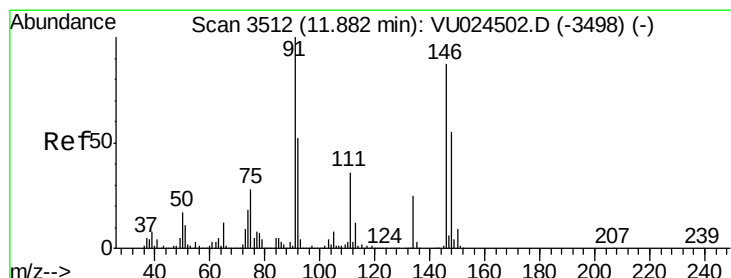
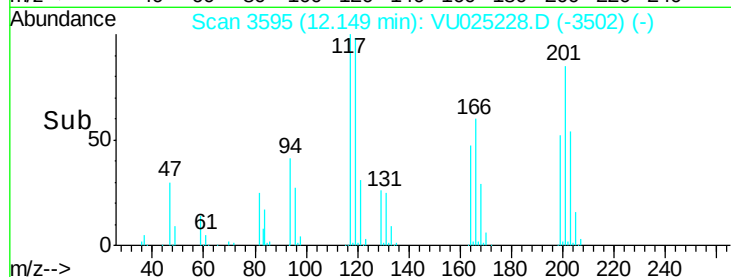
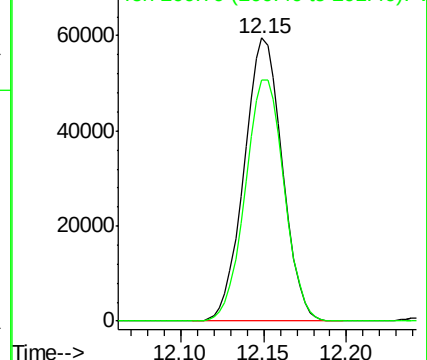
117 100

201 86.9 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: 65.82 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

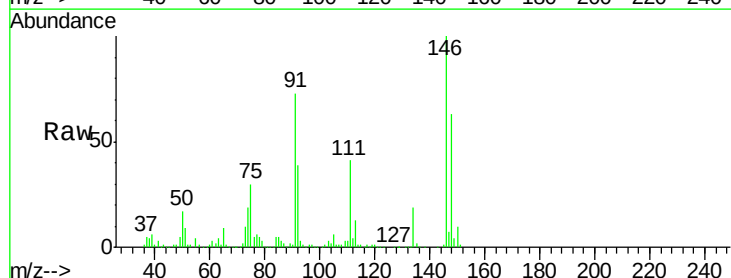
Tgt Ion:146 Resp: 334697

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

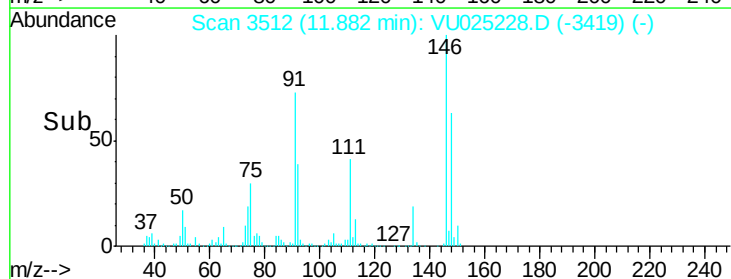
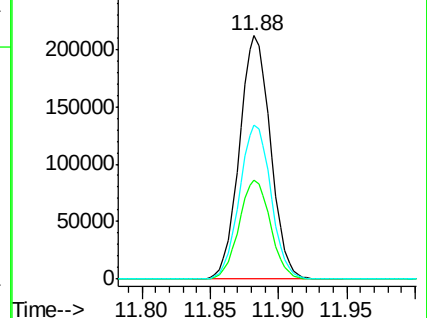
148 64.1 31.9 95.7

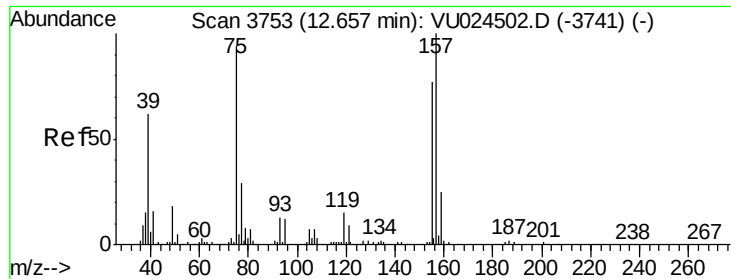


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.24 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

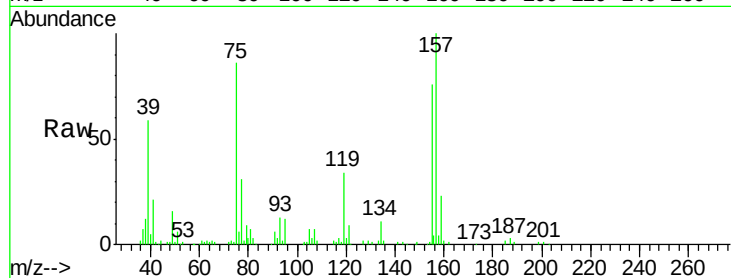
Tot Ion: 75 Resp: 53428

Ion Ratio Lower Upper

75 100

155 86.7 40.4 121.2

157 111.9 52.3 156.8

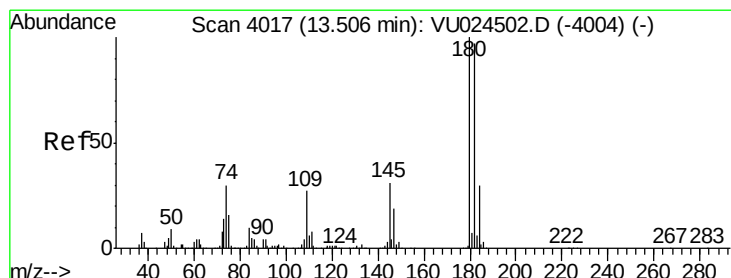
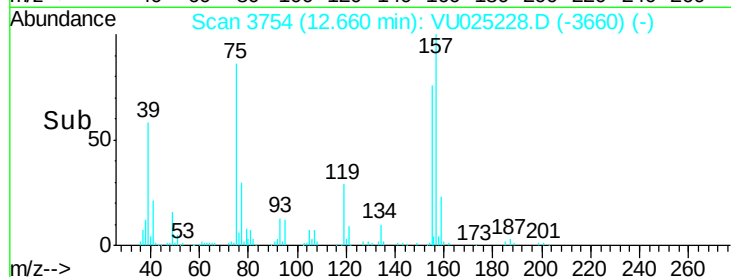


Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

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

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

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 56.40 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

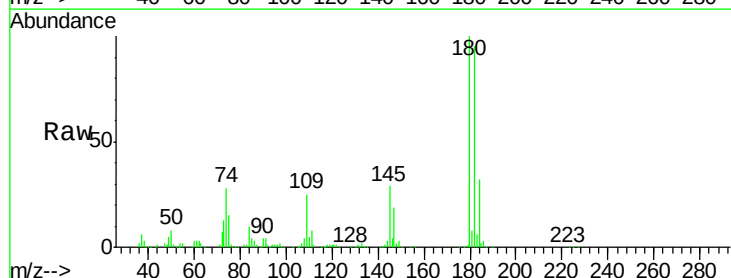
Tgt Ion: 180 Resp: 177088

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.2

145 29.7 14.7 44.1

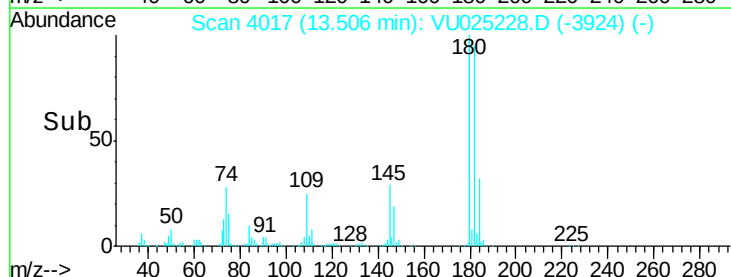


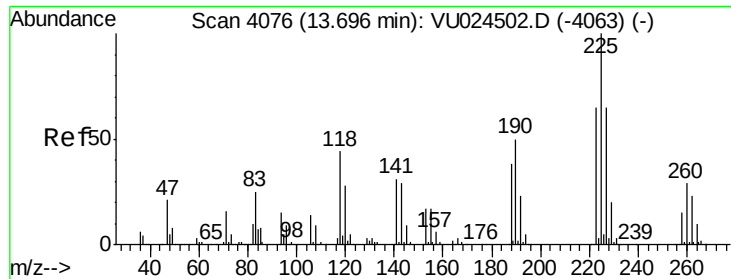
Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

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

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

Time-->





#94

Hexachlorobutadiene

Concen: 52.90 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

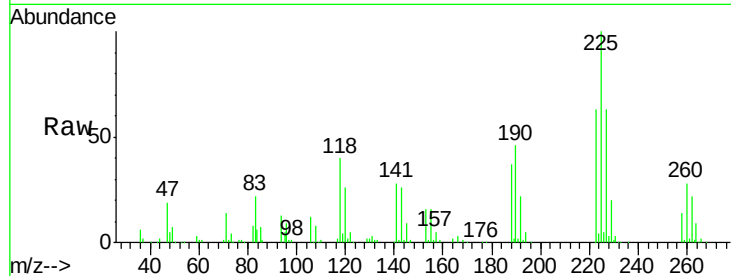
Tot Ion:225 Resp: 93487

Ion Ratio Lower Upper

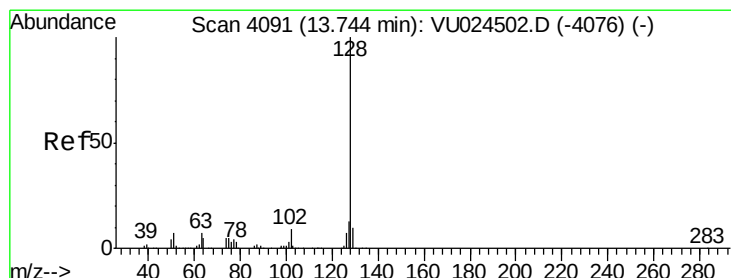
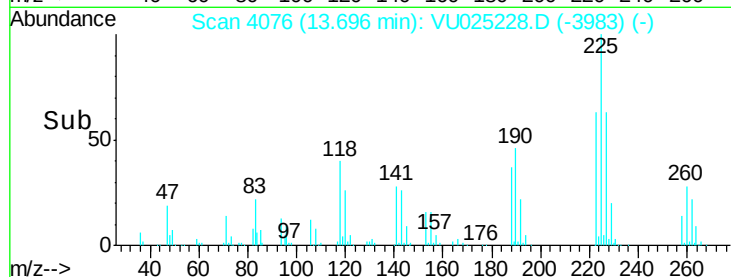
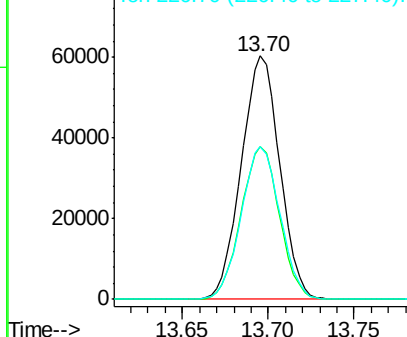
225 100

223 62.6 31.3 93.8

227 63.4 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: 59.47 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

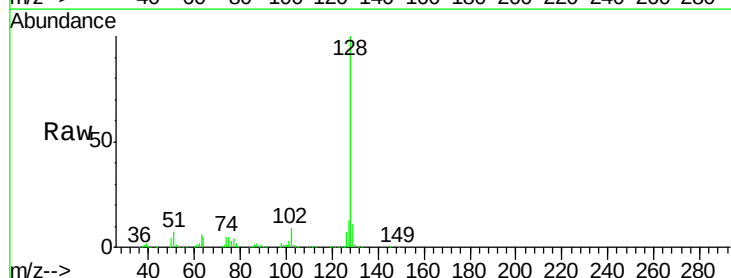
Tgt Ion:128 Resp: 619525

Ion Ratio Lower Upper

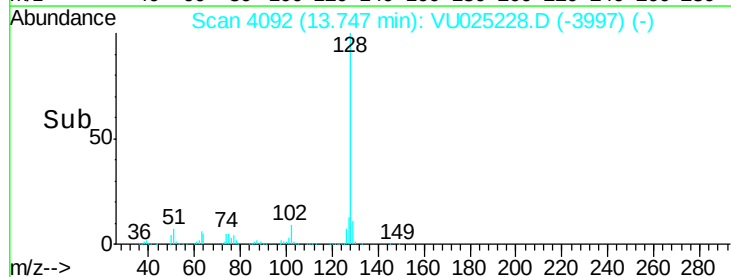
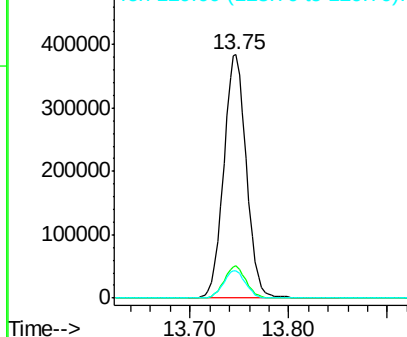
128 100

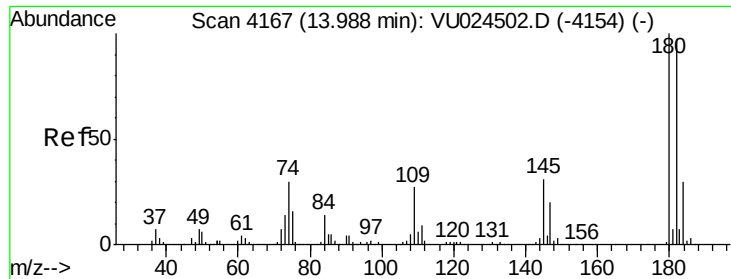
127 12.8 10.6 16.0

129 11.0 8.6 12.8



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





#96

1,2,3-Trichlorobenzene

Concen: 60.90 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

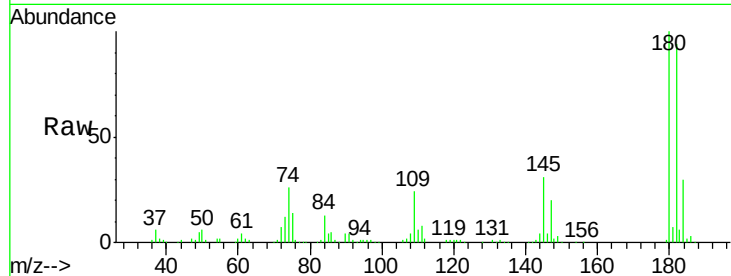
Tot Ion:180 Resp: 190532

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 31.5 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

