

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025226.D
 Acq On : 05 Jul 2018 19:29
 Operator : MD/SY
 Sample : J3808-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

Quant Time: Jul 06 05:17:12 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	161411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	247404	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	237281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144834	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	123665	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	4.89	113	101799	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
50) Toluene-d8	7.57	98	313169	41.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.62%	
62) 4-Bromofluorobenzene	10.31	95	140381	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	81782	40.48	ug/l	98
3) Chloromethane	1.33	50	100156	48.52	ug/l	99
4) Vinyl Chloride	1.40	62	100317	47.13	ug/l	98
5) Bromomethane	1.62	94	54168	52.64	ug/l	99
6) Chloroethane	1.69	64	64590	54.39	ug/l	100
7) Trichlorofluoromethane	1.89	101	160340	49.36	ug/l	98
8) Diethyl Ether	2.10	74	63058	57.31	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	95596	47.43	ug/l	97
10) Methyl Iodide	2.41	142	105330	60.51	ug/l	97
11) Tert butyl alcohol	2.82	59	169945	265.18	ug/l	100
12) 1,1-Dichloroethene	2.28	96	90026	48.98	ug/l	95
13) Acrolein	2.19	56	95167	282.78	ug/l	98
14) Allyl chloride	2.59	41	155242	45.49	ug/l	100
15) Acrylonitrile	2.93	53	342438	274.63	ug/l	99
16) Acetone	2.32	43	328059	231.71	ug/l	98
17) Carbon Disulfide	2.48	76	241435	41.03	ug/l	99
18) Methyl Acetate	2.62	43	208074	68.55	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	372691	53.95	ug/l	94
20) Methylene Chloride	2.70	84	110081	49.55	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	102497	50.63	ug/l	96
22) Diisopropyl ether	3.57	45	358904	53.06	ug/l	97
23) Vinyl Acetate	3.53	43	1460063	240.94	ug/l	98
24) 1,1-Dichloroethane	3.45	63	201827	51.86	ug/l	99
25) 2-Butanone	4.26	43	507403	266.81	ug/l	98
26) 2,2-Dichloropropane	4.23	77	144518	39.11	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	143082	61.48	ug/l	95
28) Bromochloromethane	4.55	49	73304	42.77	ug/l	85
29) Tetrahydrofuran	4.63	42	320614	272.24	ug/l	97
30) Chloroform	4.68	83	214495	54.46	ug/l	98
31) Cyclohexane	5.00	56	173262	50.14	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	194396	53.37	ug/l	96
36) 1,1-Dichloropropene	5.14	75	147643	50.79	ug/l	97
37) Ethyl Acetate	4.38	43	177316	55.96	ug/l	98
38) Carbon Tetrachloride	5.14	117	170417	53.31	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	176332	48.60	ug/l	94
40) Benzene	5.39	78	433971	52.39	ug/l	99
41) Methacrylonitrile	4.55	41	102193	59.82	ug/l	99
42) 1,2-Dichloroethane	5.41	62	182934	57.98	ug/l	99
43) Isopropyl Acetate	5.55	43	284391	51.92	ug/l	98
44) Trichloroethene	6.19	130	141301	59.93	ug/l	96
45) 1,2-Dichloropropane	6.44	63	120374	54.46	ug/l	98
46) Dibromomethane	6.56	93	86606	55.78	ug/l	94
47) Bromodichloromethane	6.76	83	165293	53.46	ug/l	99
48) Methyl methacrylate	6.63	41	152413	57.15	ug/l	97
49) 1,4-Dioxane	6.62	88	66916	1282.97	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	969520	281.76	ug/l	98
52) Toluene	7.64	92	284039	53.30	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	172570	49.70	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	181449	49.05	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	120116	55.44	ug/l	98
56) Ethyl methacrylate	8.02	69	189797	52.34	ug/l	99
57) 1,3-Dichloropropane	8.25	76	202195	55.33	ug/l	97
59) 2-Hexanone	8.36	43	773990	275.51	ug/l	99
60) Dibromochloromethane	8.48	129	136951	50.69	ug/l	100
61) 1,2-Dibromoethane	8.59	107	132283	54.86	ug/l	98
64) Tetrachloroethene	8.23	164	102802	45.58	ug/l	97
65) Chlorobenzene	9.12	112	347842	57.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124387	54.01	ug/l	98
67) Ethyl Benzene	9.25	91	557936	52.50	ug/l	97
68) m/p-Xylenes	9.38	106	437482	107.21	ug/l	97
69) o-Xylene	9.78	106	217238	53.79	ug/l	98
70) Styrene	9.80	104	344039	51.84	ug/l	99
71) Bromoform	9.96	173	108341	49.49	ug/l	# 100
73) Isopropylbenzene	10.17	105	596621	53.65	ug/l	99
74) N-amyl acetate	10.01	43	250929	47.44	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205002	55.02	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	236347	74.12	ug/l	82
77) Bromobenzene	10.45	156	152103	54.03	ug/l	93
78) n-propylbenzene	10.59	91	675969	51.60	ug/l	98
79) 2-Chlorotoluene	10.66	91	398882	51.64	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	501394	52.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	236347	171.54	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	455800	50.70	ug/l	99
83) tert-Butylbenzene	11.10	119	559092	60.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	514426	52.37	ug/l	99
85) sec-Butylbenzene	11.33	105	687305	59.23	ug/l	96
86) p-Isopropyltoluene	11.48	119	533780	51.36	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	273120	52.51	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	268775	51.34	ug/l	100
89) n-Butylbenzene	11.89	91	448174	48.57	ug/l	97
90) Hexachloroethane	12.15	117	98559	48.61	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	281061	53.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55443	53.92	ug/l	95
93) 1,2,4-Trichlorobenzene	13.51	180	175505	54.56	ug/l	98

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QLast Update : Wed Jun 13 13:55:26 2018
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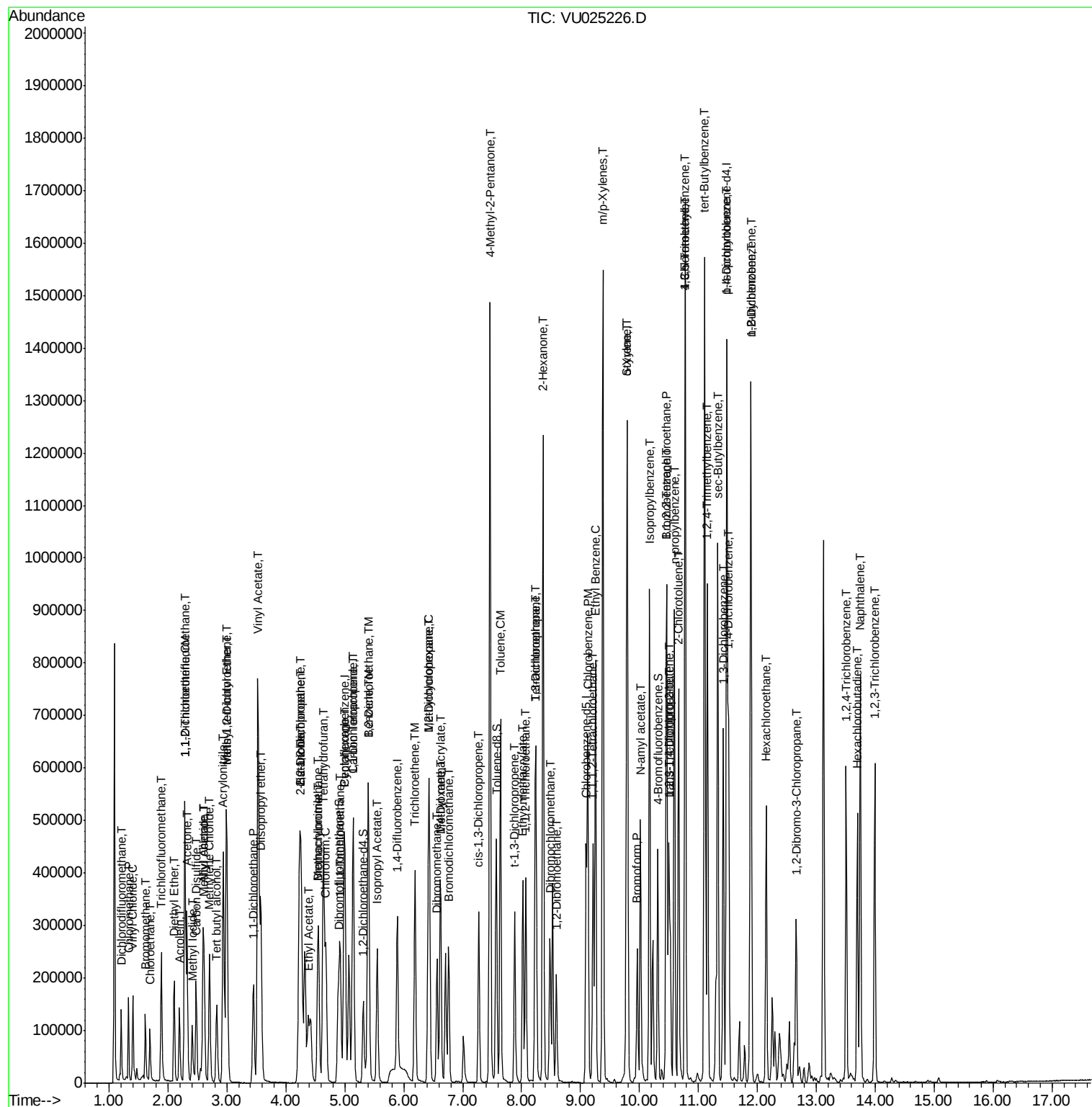
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	93744	51.77	ug/l	98
95) Naphthalene	13.75	128	611932	57.36	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	187775	58.58	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

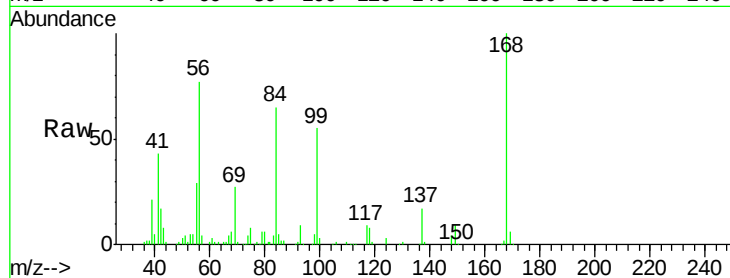
WP021MW472-180628MS

Tot Ion:168 Resp: 161411

Ion Ratio Lower Upper

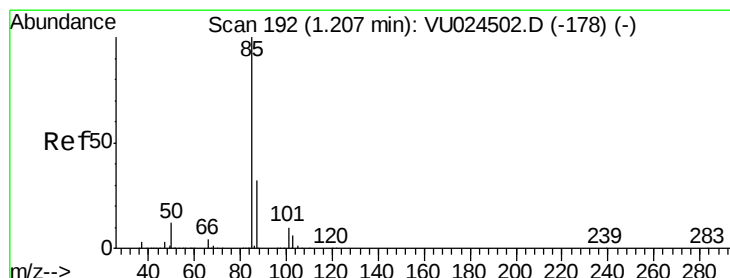
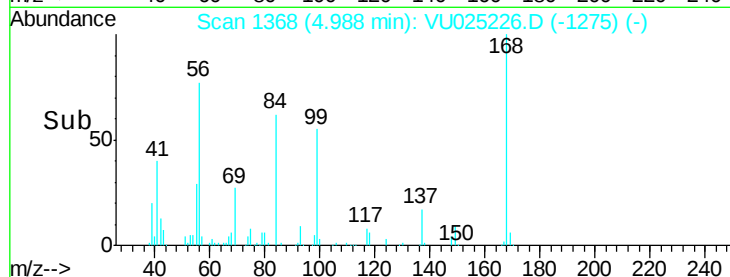
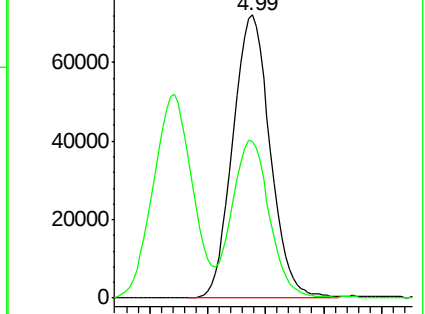
168 100

99 55.1 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 40.48 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025226.D

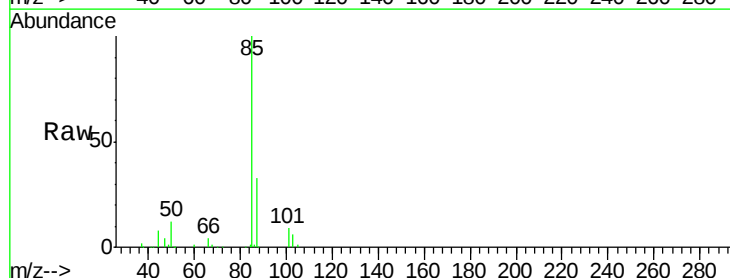
Acq: 05 Jul 2018 19:29

Tgt Ion: 85 Resp: 81782

Ion Ratio Lower Upper

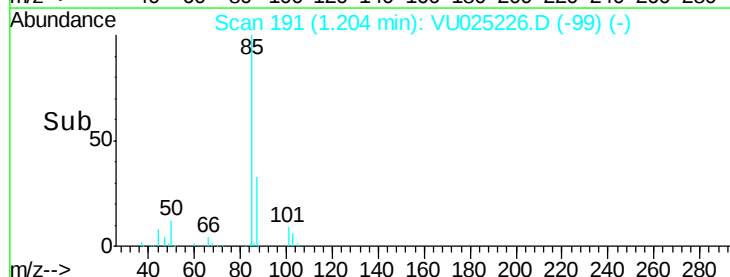
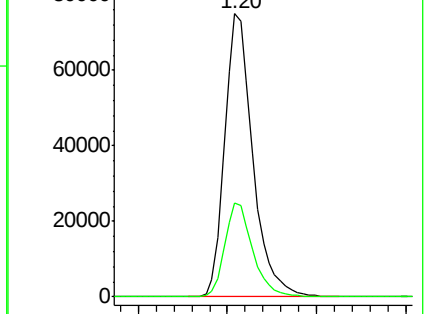
85 100

87 33.4 16.1 48.2



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

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 48.52 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

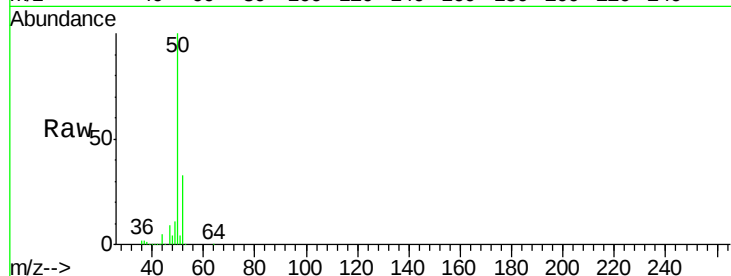
WP021MW472-180628MS

Tot Ion: 50 Resp: 100156

Ion Ratio Lower Upper

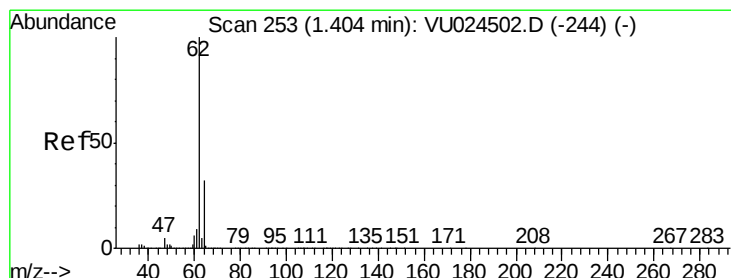
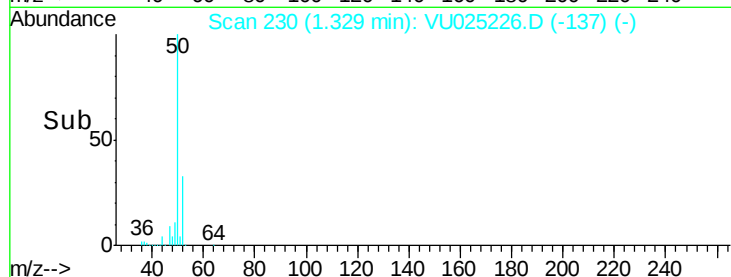
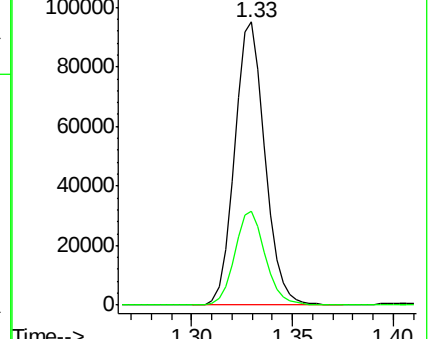
50 100

52 33.4 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: 47.13 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025226.D

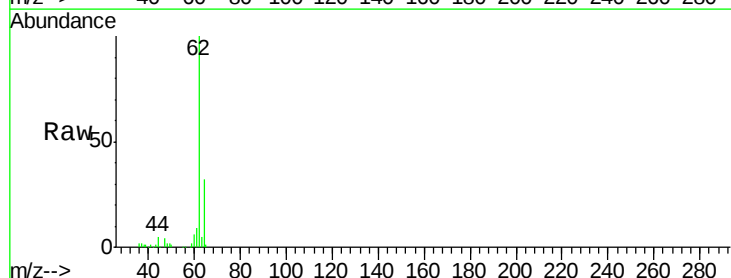
Acq: 05 Jul 2018 19:29

Tgt Ion: 62 Resp: 100317

Ion Ratio Lower Upper

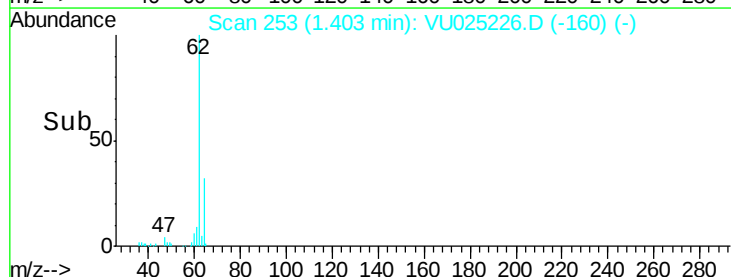
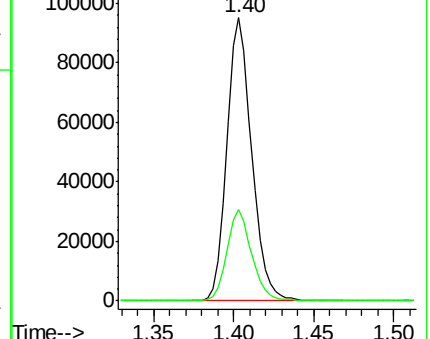
62 100

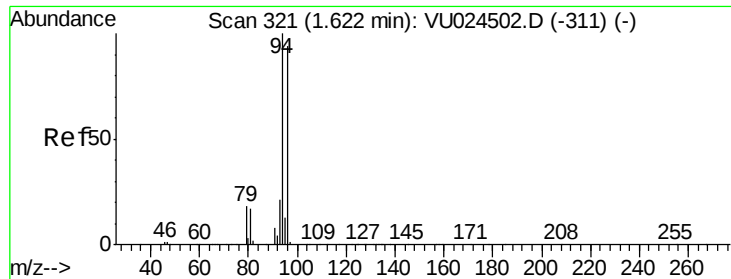
64 32.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.64 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

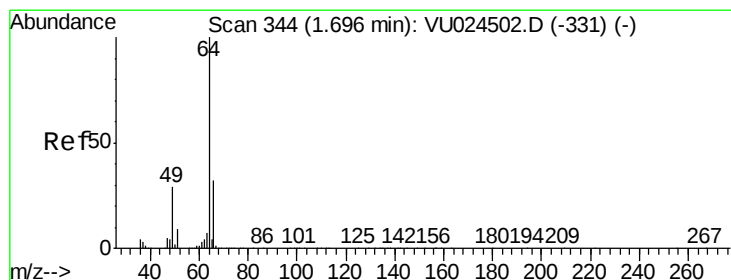
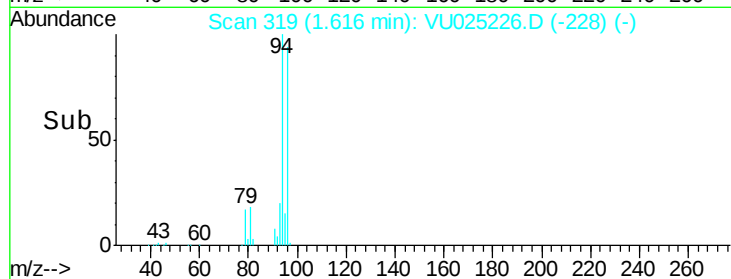
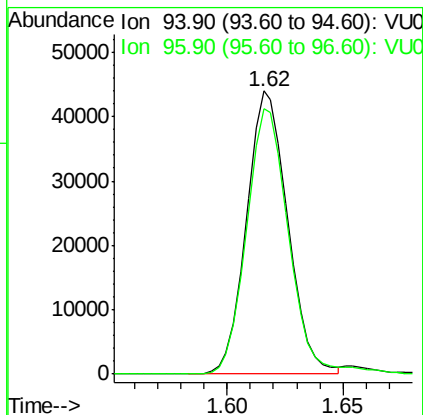
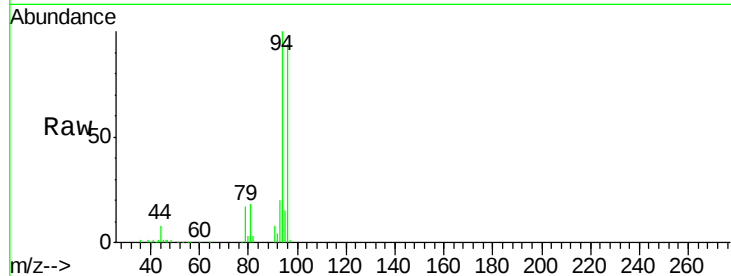
WP021MW472-180628MS

Tot Ion: 94 Resp: 54168

Ion Ratio Lower Upper

94 100

96 93.9 74.5 111.7



#6

Chloroethane

Concen: 54.39 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025226.D

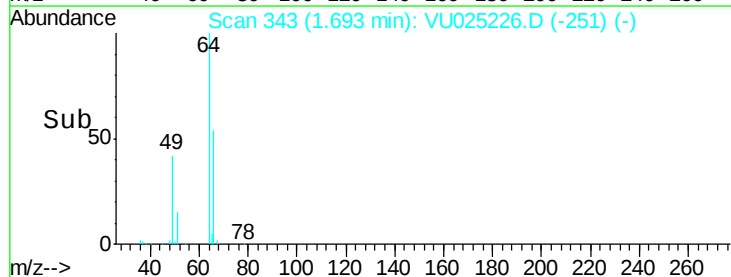
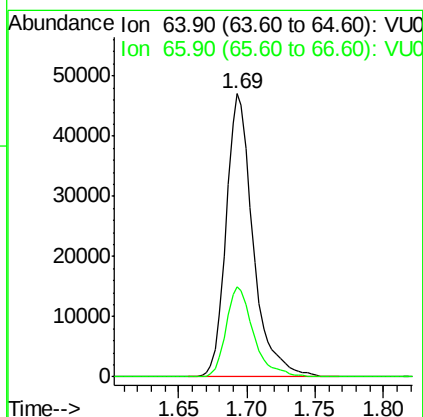
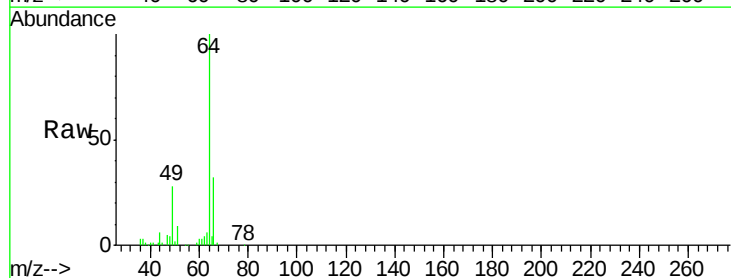
Acq: 05 Jul 2018 19:29

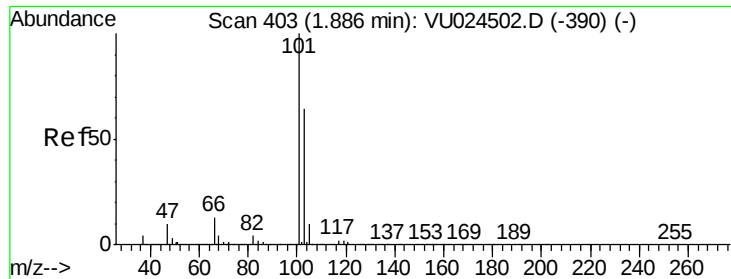
Tgt Ion: 64 Resp: 64590

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

Trichlorofluoromethane

Concen: 49.36 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

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ClientSampleId :

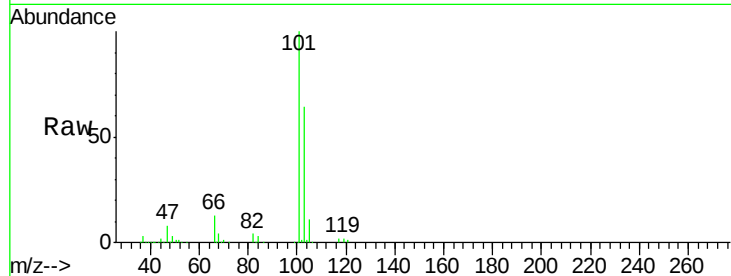
WP021MW472-180628MS

Tot Ion:101 Resp: 160340

Ion Ratio Lower Upper

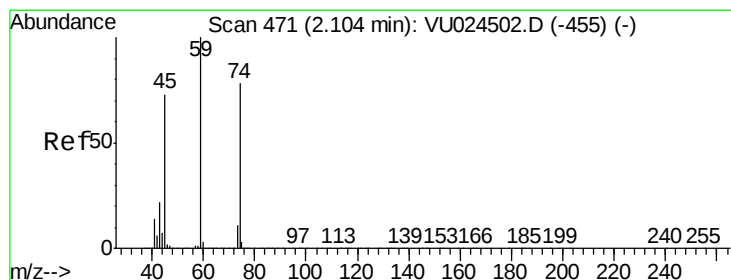
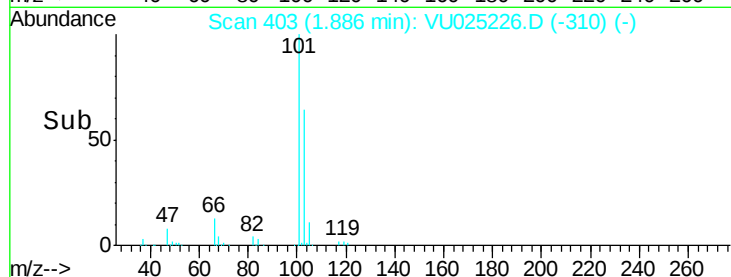
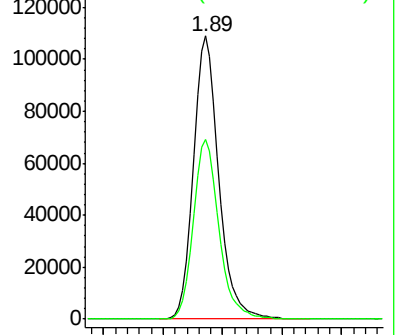
101 100

103 63.7 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 57.31 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025226.D

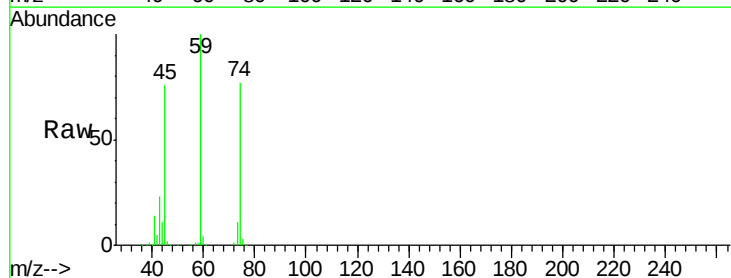
Acq: 05 Jul 2018 19:29

Tgt Ion: 74 Resp: 63058

Ion Ratio Lower Upper

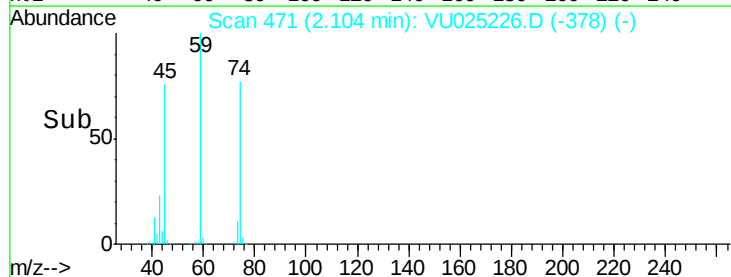
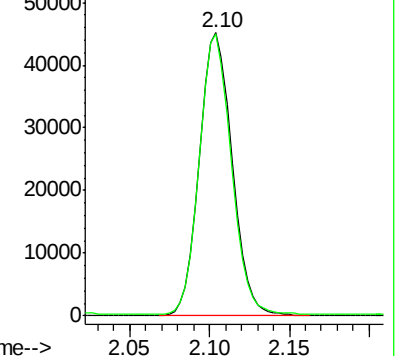
74 100

45 96.9 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.43 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

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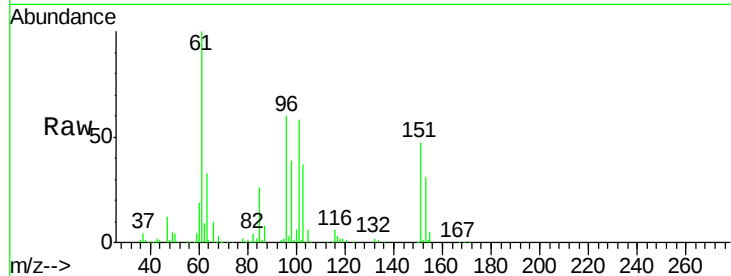
Tot Ion:101 Resp: 95596

Ion Ratio Lower Upper

101 100

85 45.3 36.0 54.0

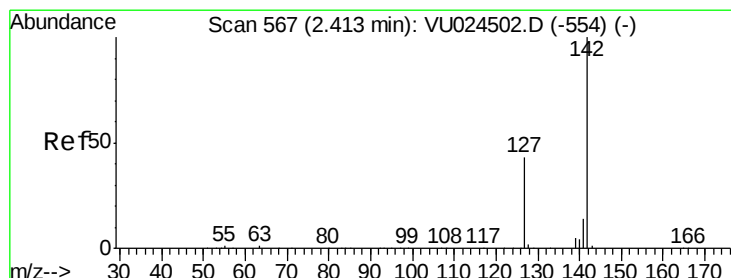
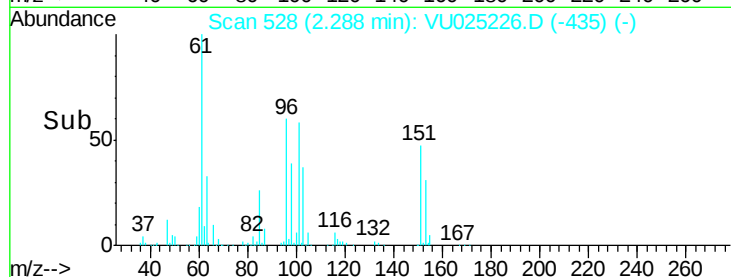
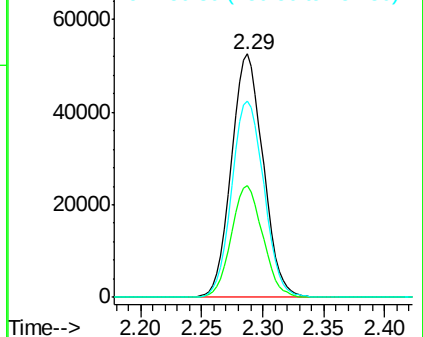
151 81.4 62.3 93.5



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: 60.51 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

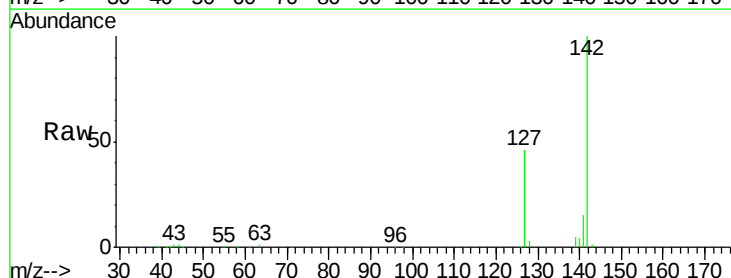
Tgt Ion:142 Resp: 105330

Ion Ratio Lower Upper

142 100

127 46.7 35.6 53.4

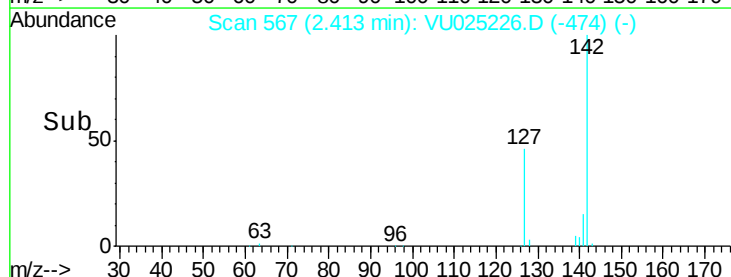
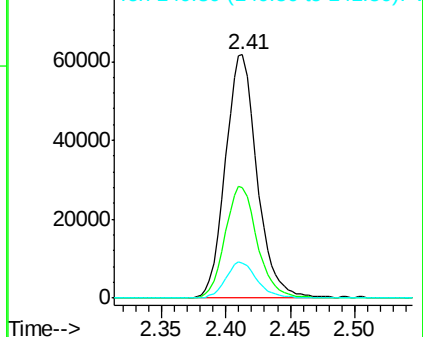
141 14.5 11.7 17.5



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



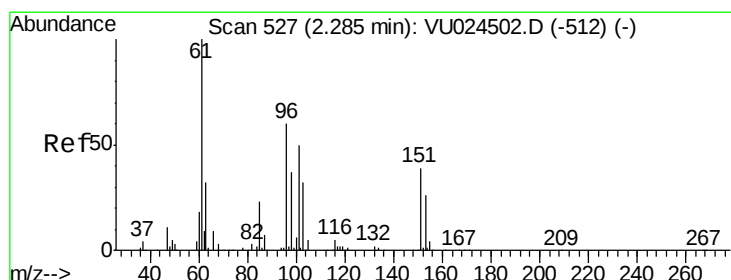
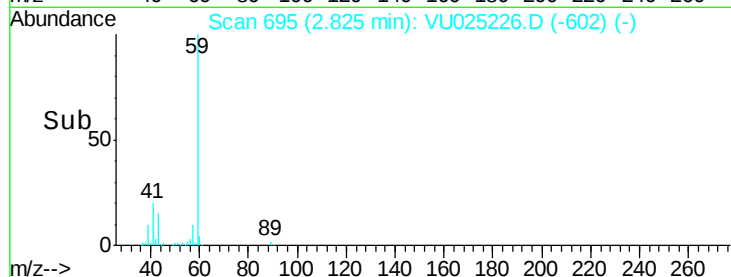
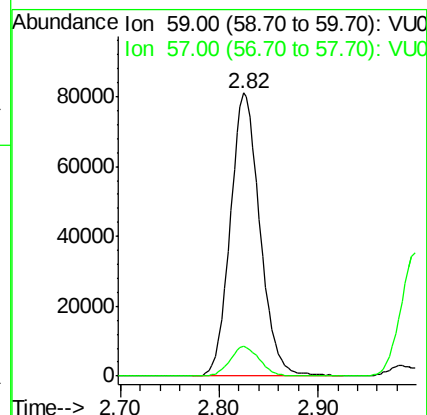
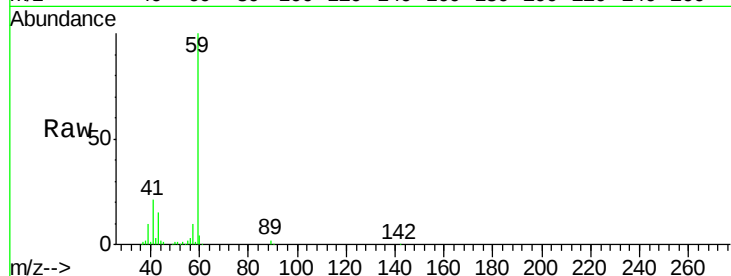


#11

Tert butyl alcohol
 Concen: 265.18 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

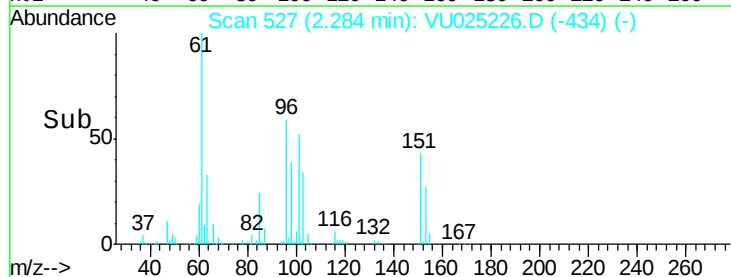
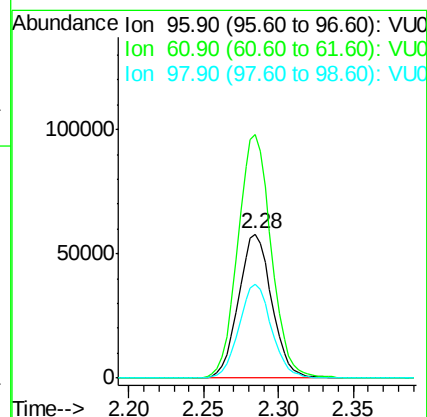
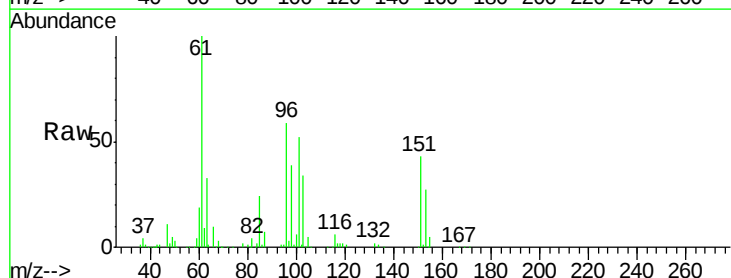
Tot Ion: 59 Resp: 169945
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

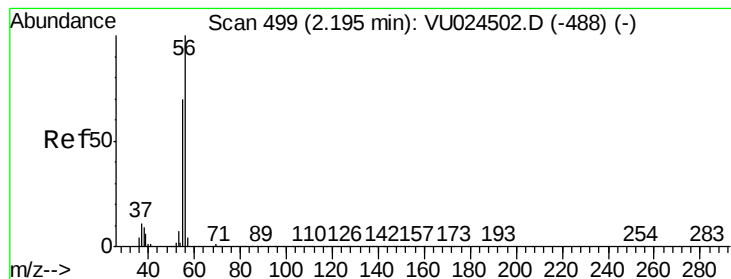


#12

1,1-Dichloroethene
 Concen: 48.98 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion: 96 Resp: 90026
 Ion Ratio Lower Upper
 96 100
 61 168.7 141.7 212.5
 98 65.1 51.6 77.4





#13

Acrolein

Concen: 282.78 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

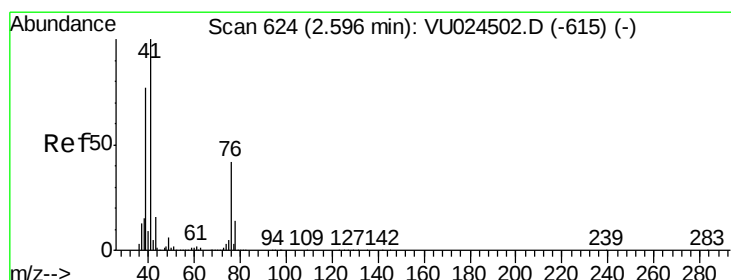
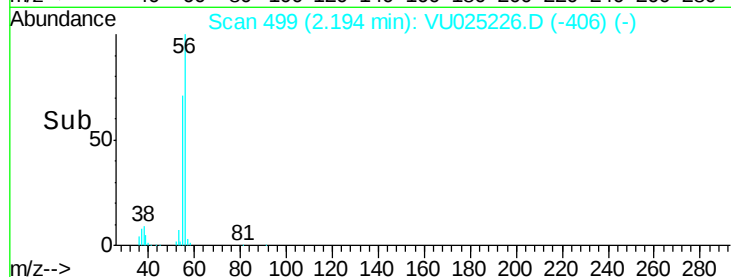
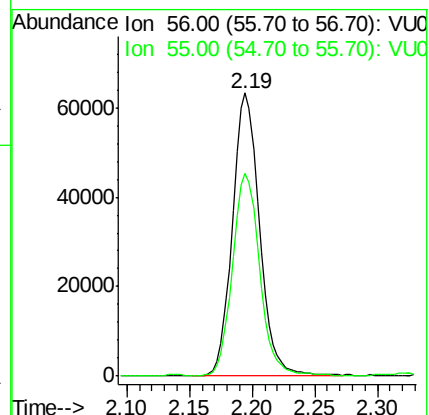
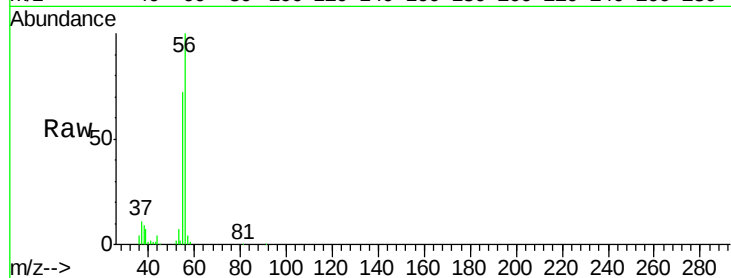
WP021MW472-180628MS

Tot Ion: 56 Resp: 95167

Ion Ratio Lower Upper

56 100

55 70.9 58.4 87.6



#14

Allyl chloride

Concen: 45.49 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

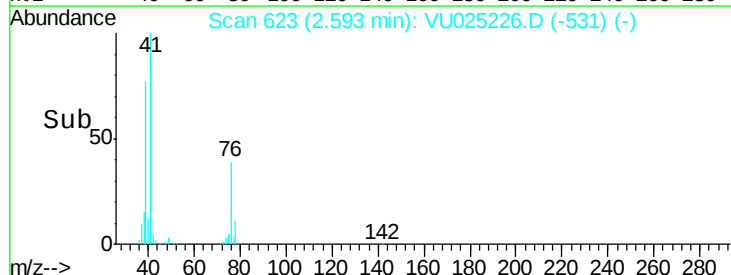
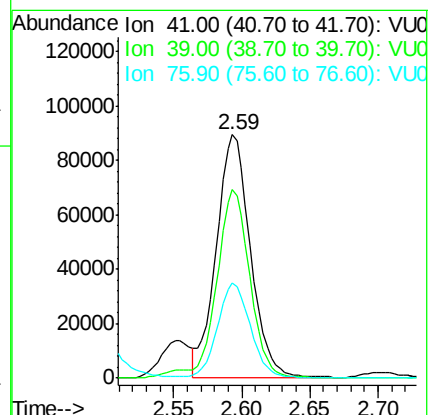
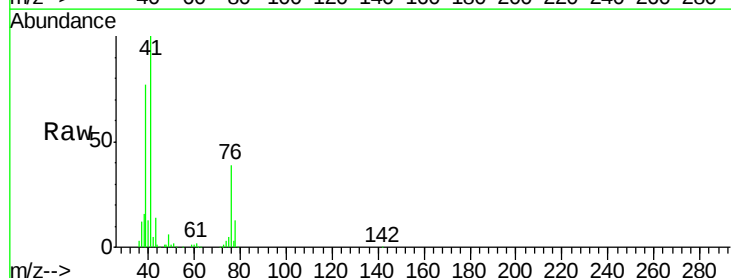
Tgt Ion: 41 Resp: 155242

Ion Ratio Lower Upper

41 100

39 76.8 61.6 92.4

76 37.3 29.7 44.5

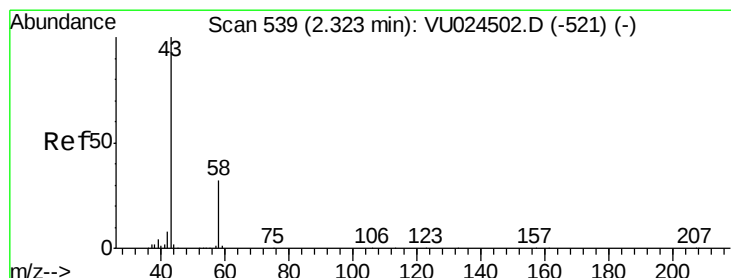
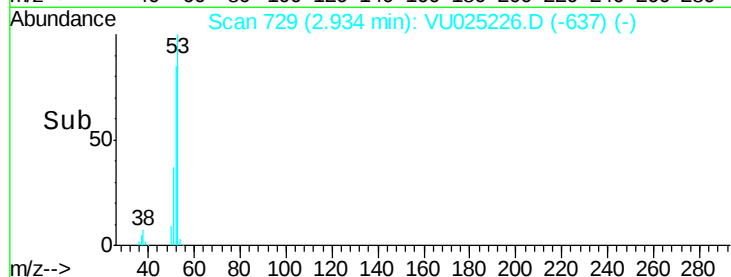
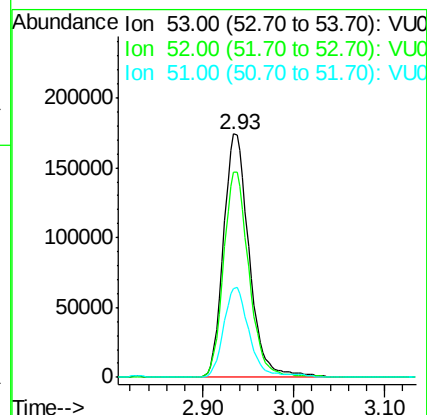
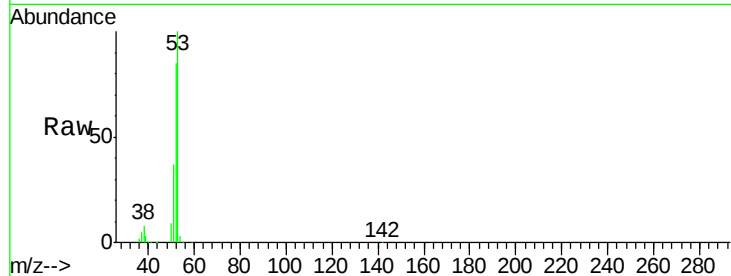




#15
 Acrylonitrile
 Concen: 274.63 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

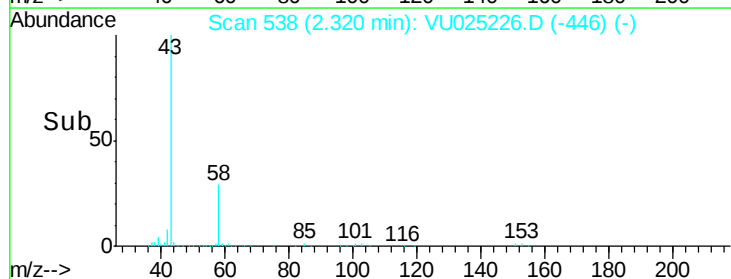
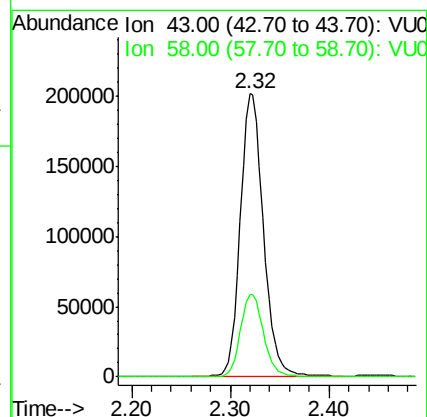
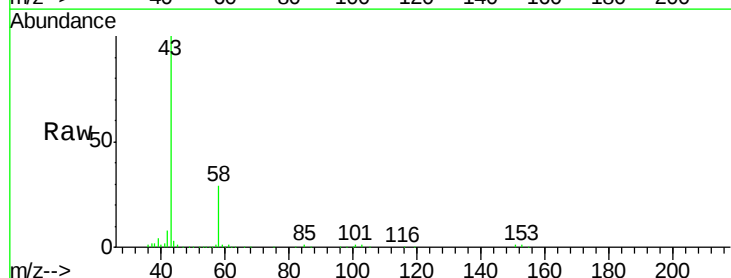
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

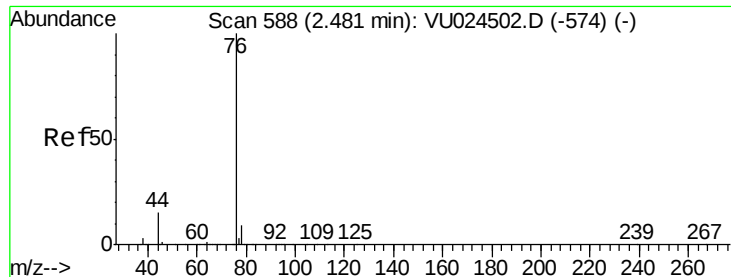
Tot Ion	53	Resp	342438
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.1	100.7
51	37.2	28.4	42.6



#16
 Acetone
 Concen: 231.71 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion	43	Resp	328059
Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.4	36.6





#17

Carbon Disulfide

Concen: 41.03 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

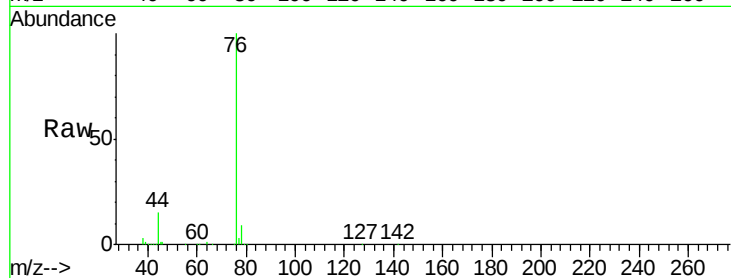
WP021MW472-180628MS

Tot Ion: 76 Resp: 241435

Ion Ratio Lower Upper

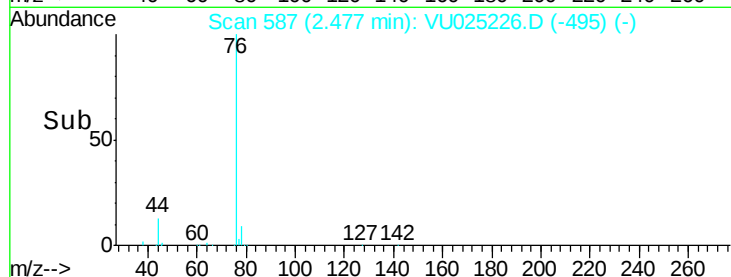
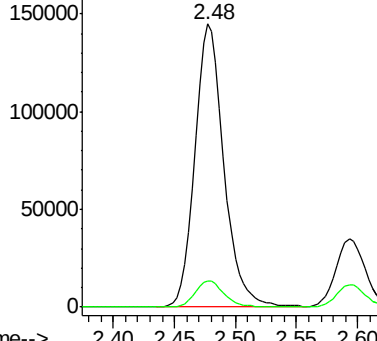
76 100

78 9.3 7.1 10.7

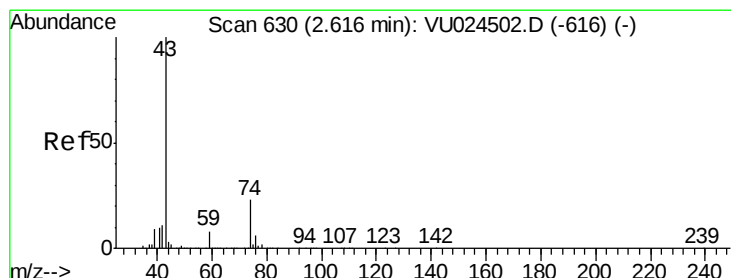


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 68.55 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025226.D

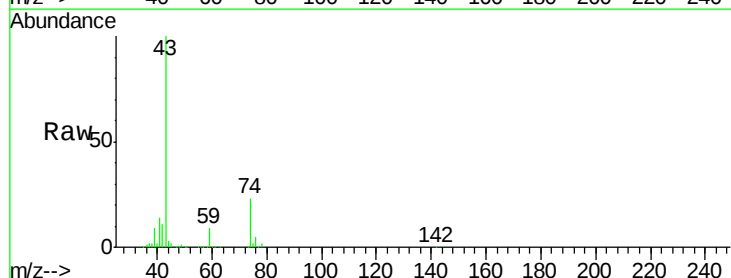
Acq: 05 Jul 2018 19:29

Tgt Ion: 43 Resp: 208074

Ion Ratio Lower Upper

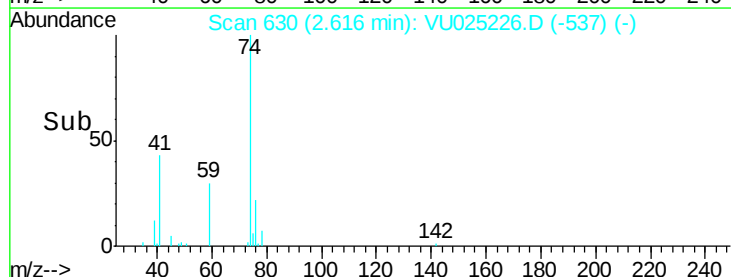
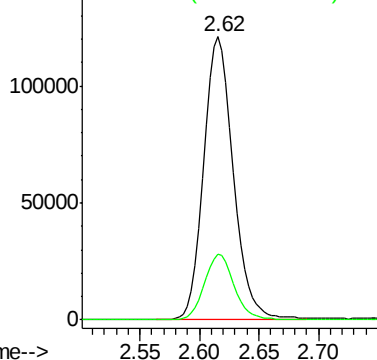
43 100

74 23.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



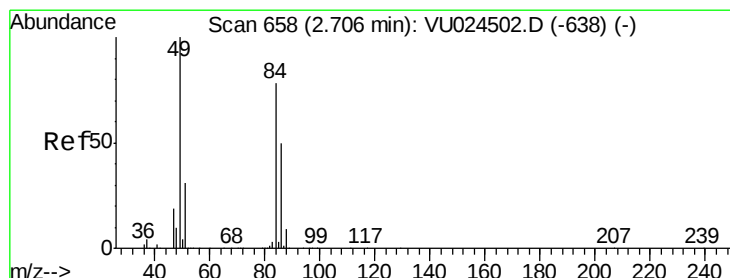
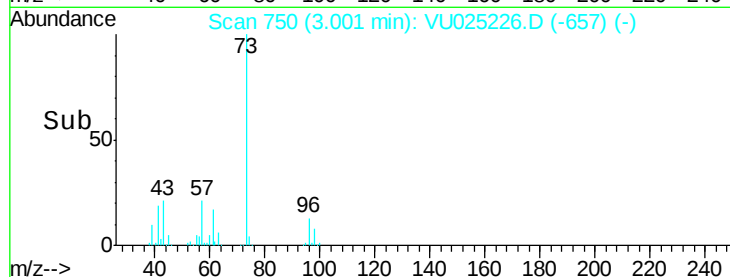
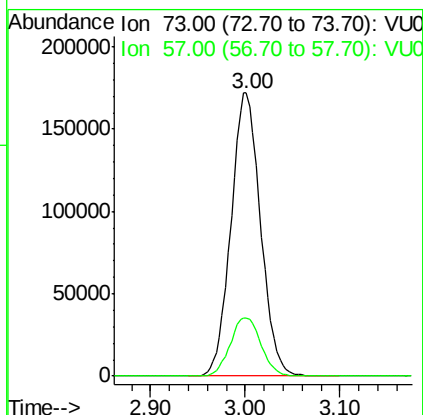
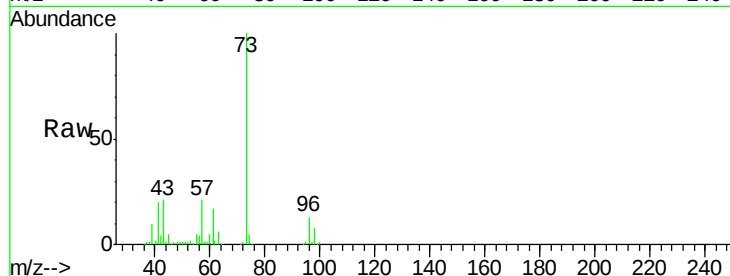
Time-->



#19
Methyl tert-butyl Ether
Concen: 53.95 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

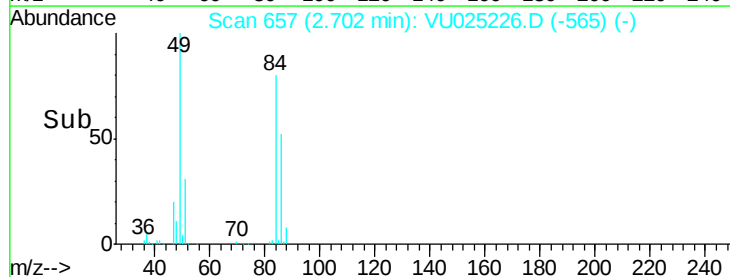
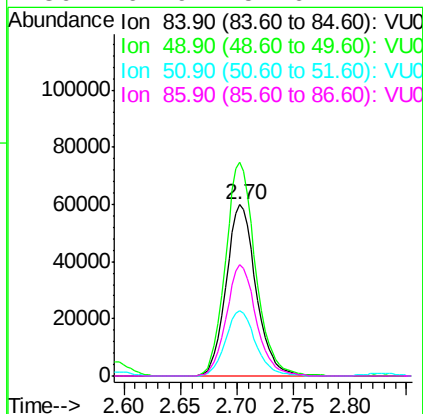
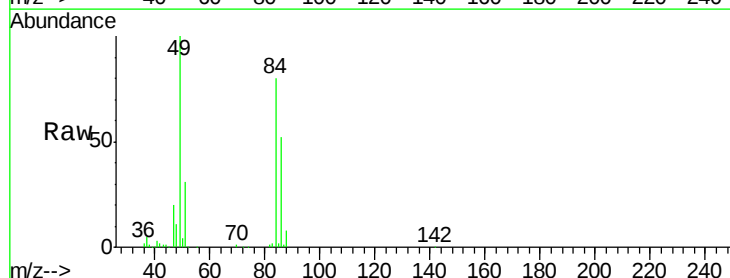
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion: 73 Resp: 372691
Ion Ratio Lower Upper
73 100
57 20.7 18.8 28.2



#20
Methylene Chloride
Concen: 49.55 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 84 Resp: 110081
Ion Ratio Lower Upper
84 100
49 125.0 103.8 155.8
51 38.4 32.0 48.0
86 64.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.63 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

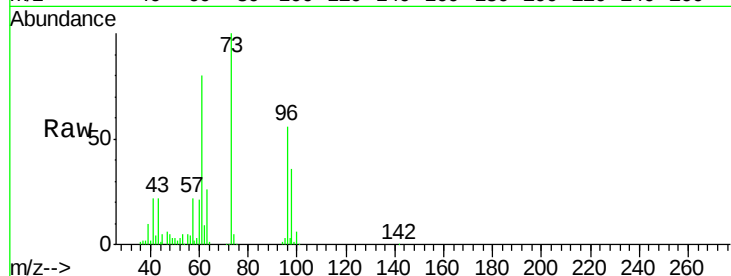
Tot Ion: 96 Resp: 102497

Ion Ratio Lower Upper

96 100

61 143.8 119.4 179.0

98 65.7 51.1 76.7

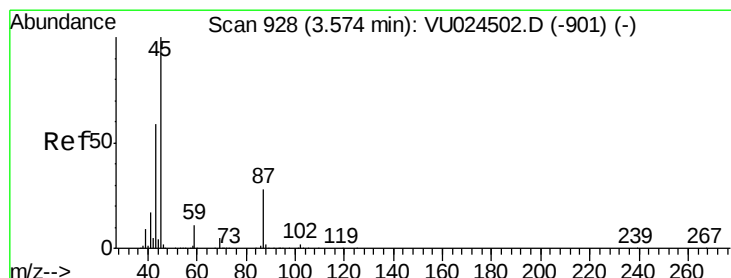
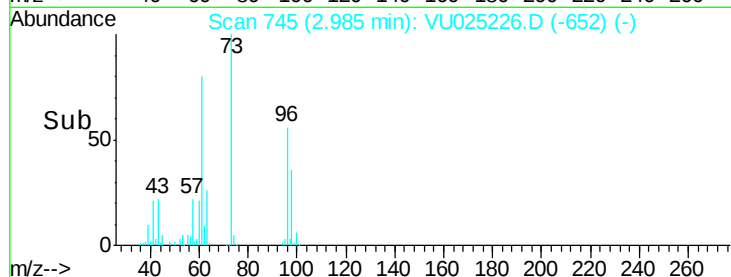
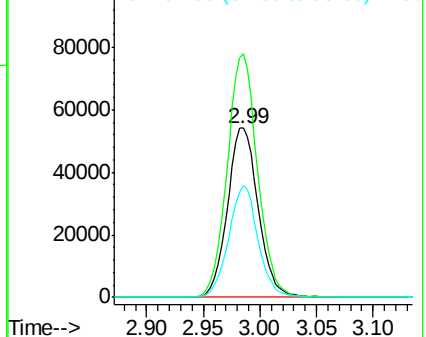


Abundance

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: 53.06 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Tgt Ion: 45 Resp: 358904

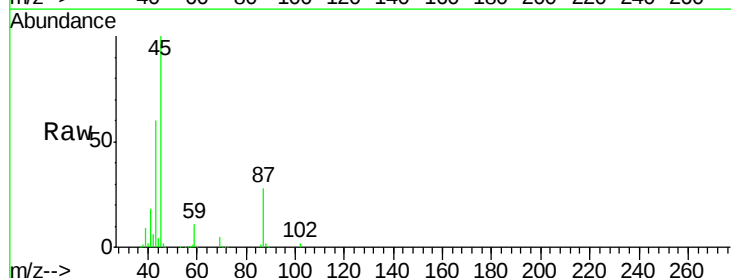
Ion Ratio Lower Upper

45 100

43 59.6 45.8 68.6

87 27.5 20.6 31.0

59 11.5 9.4 14.0



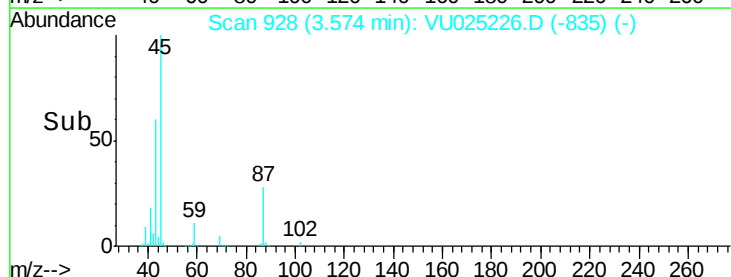
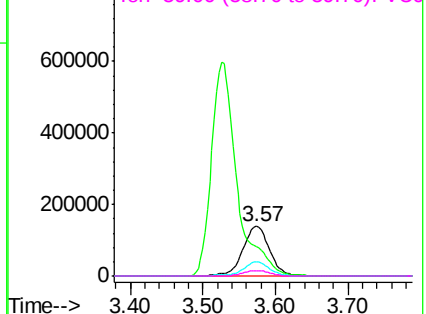
Abundance

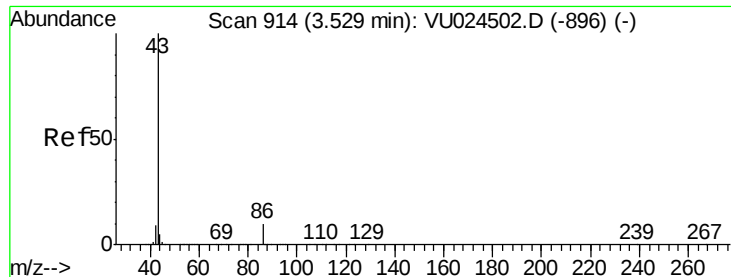
Ion 45.00 (44.70 to 45.70): VU0

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: 240.94 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

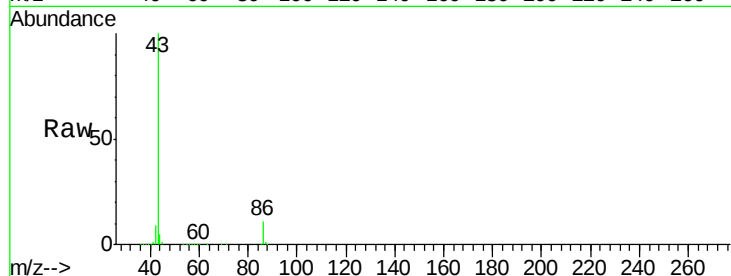
WP021MW472-180628MS

Tot Ion: 43 Resp: 1460063

Ion Ratio Lower Upper

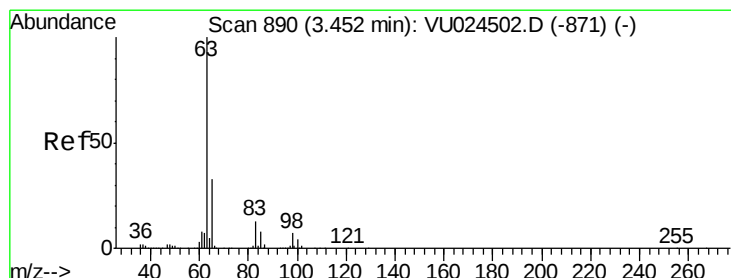
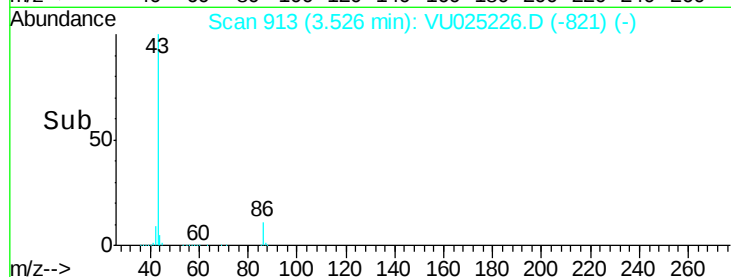
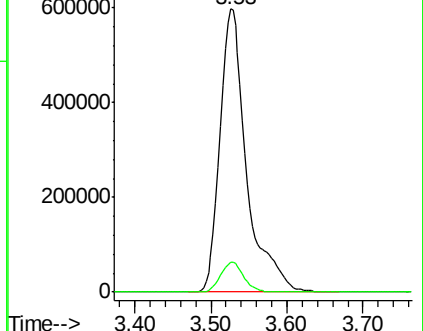
43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 51.86 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

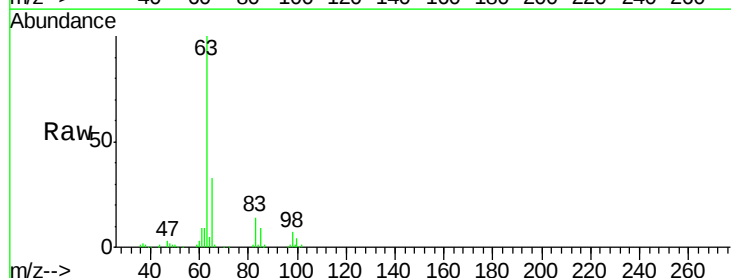
Tgt Ion: 63 Resp: 201827

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

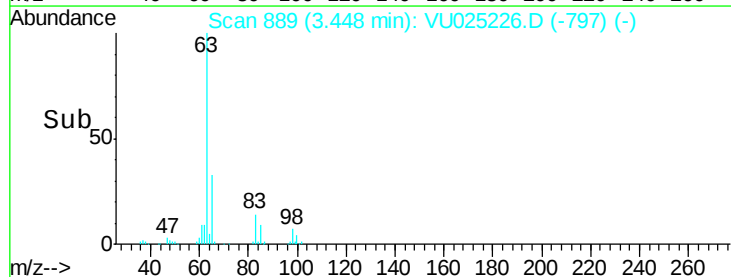
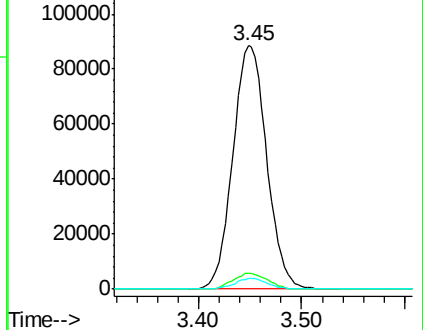
100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

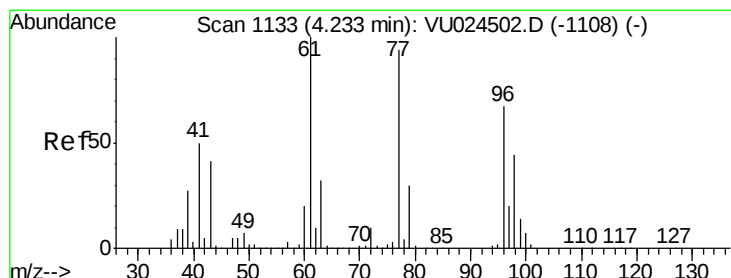
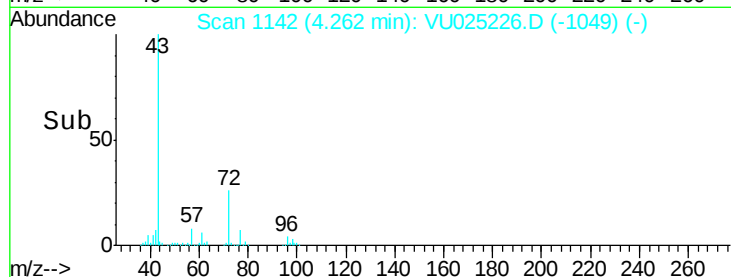
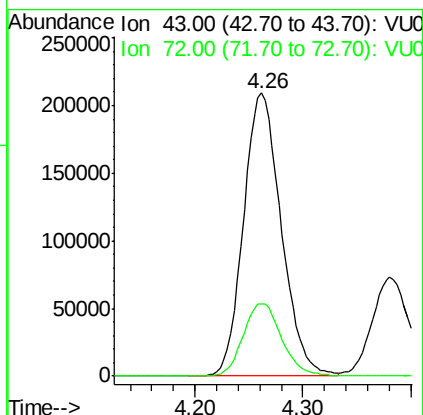
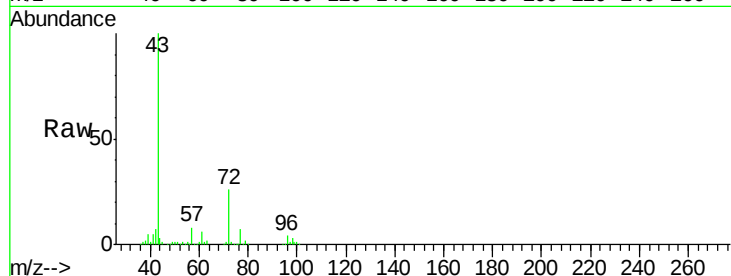




#25
2-Butanone
Concen: 266.81 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

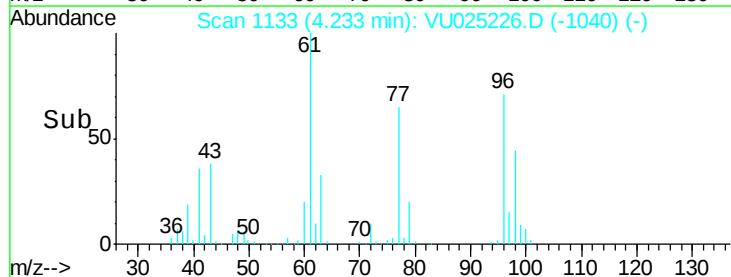
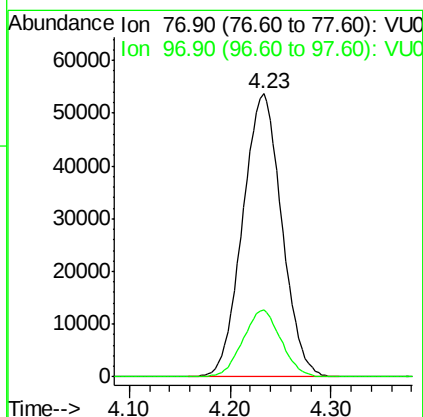
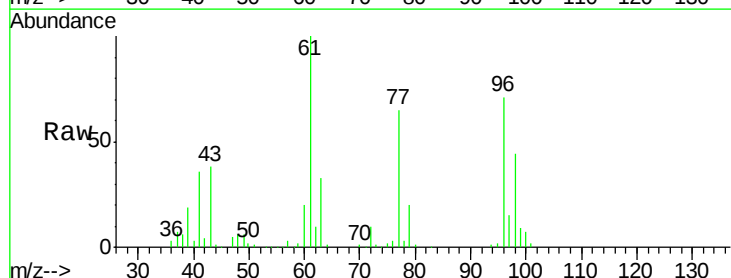
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion: 43 Resp: 507403
Ion Ratio Lower Upper
43 100
72 25.7 19.6 29.4



#26
2,2-Dichloropropane
Concen: 39.11 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 77 Resp: 144518
Ion Ratio Lower Upper
77 100
97 23.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 61.48 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

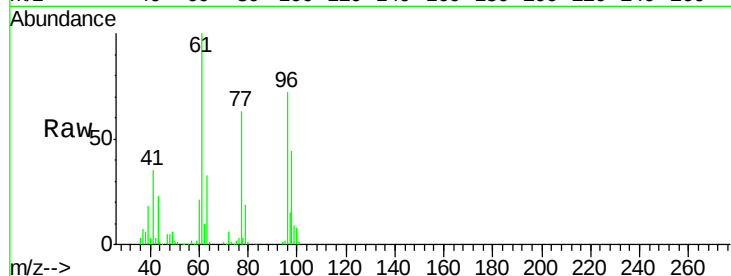
Tot Ion: 96 Resp: 143082

Ion Ratio Lower Upper

96 100

61 144.2 0.0 306.6

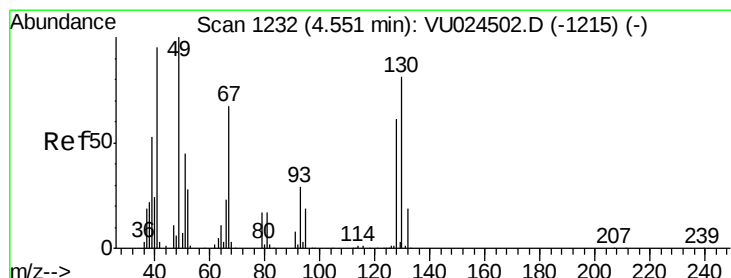
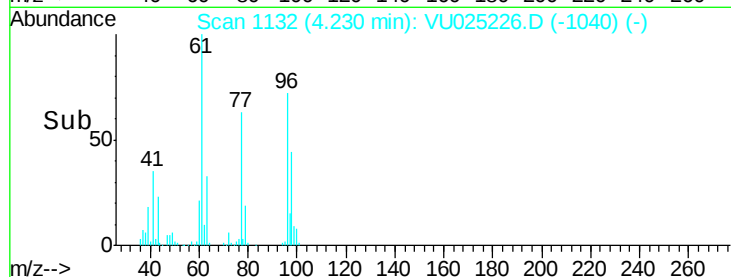
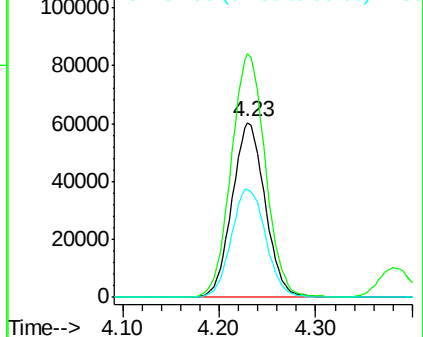
98 65.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 42.77 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

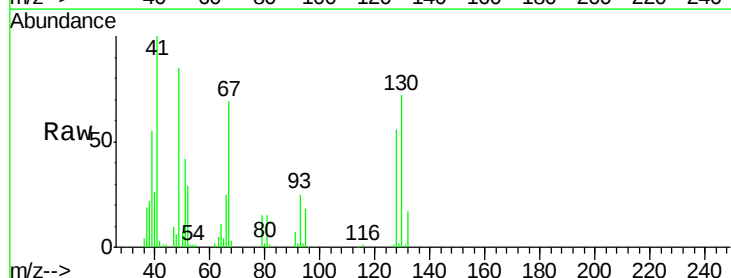
Tgt Ion: 49 Resp: 73304

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

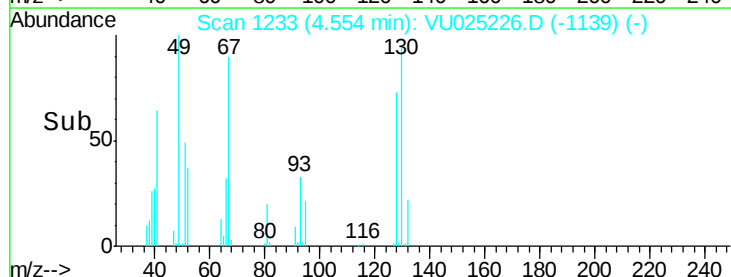
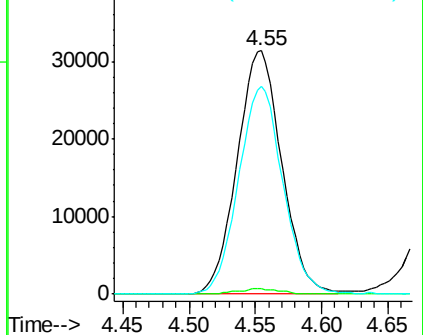
130 84.8 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 272.24 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

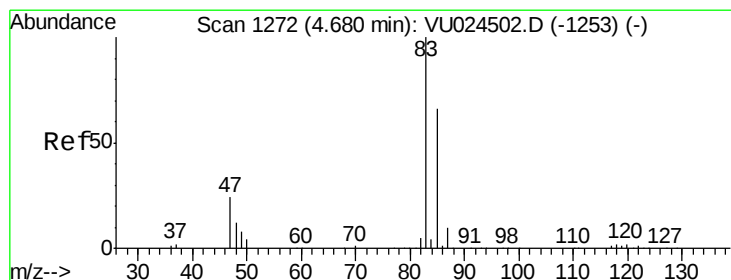
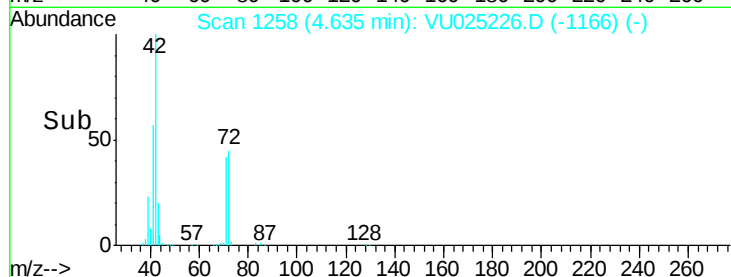
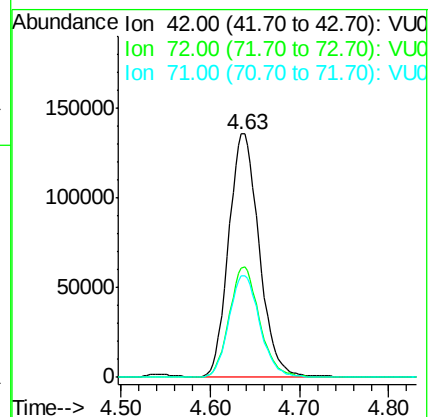
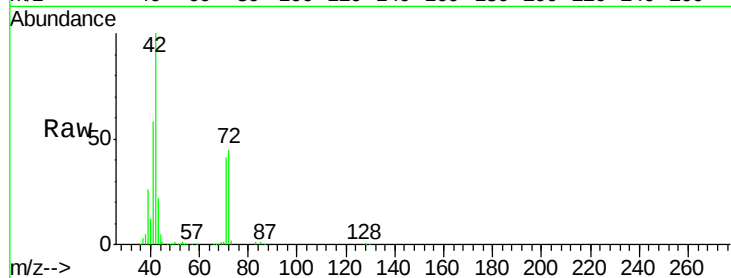
Tot Ion: 42 Resp: 320614

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

71 42.5 32.2 48.4



#30

Chloroform

Concen: 54.46 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025226.D

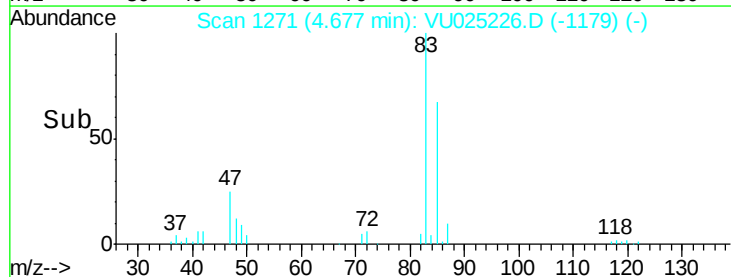
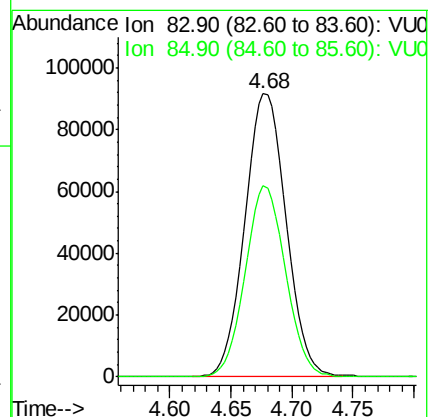
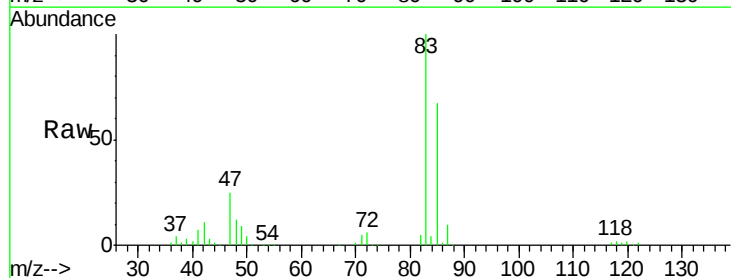
Acq: 05 Jul 2018 19:29

Tgt Ion: 83 Resp: 214495

Ion Ratio Lower Upper

83 100

85 67.4 52.4 78.6

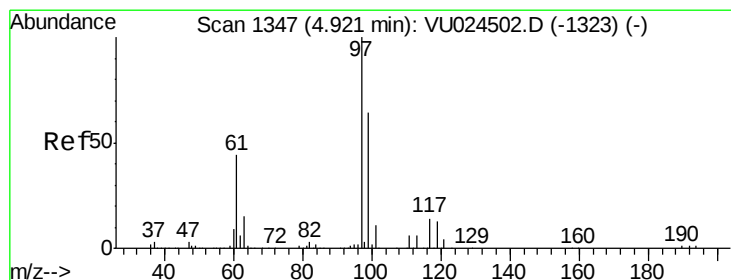
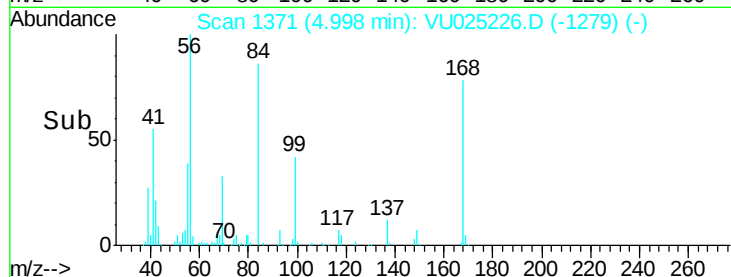
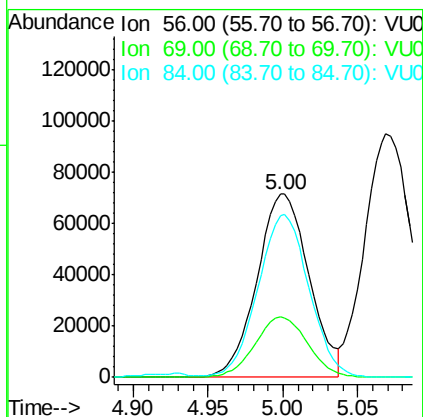
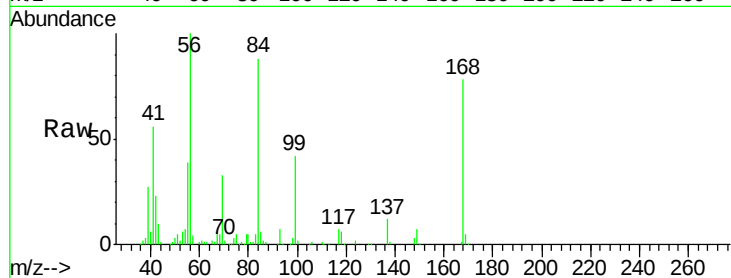




#31
Cyclohexane
Concen: 50.14 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

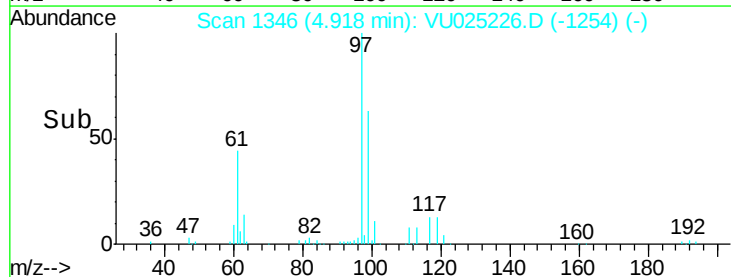
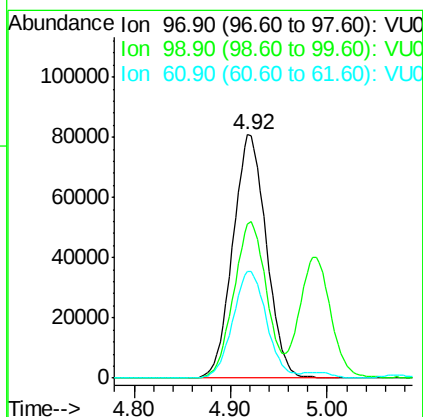
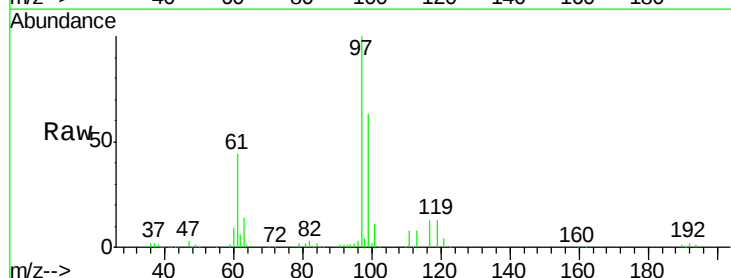
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion: 56 Resp: 173262
Ion Ratio Lower Upper
56 100
69 32.9 24.8 37.2
84 86.7 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 53.37 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 97 Resp: 194396
Ion Ratio Lower Upper
97 100
99 63.2 51.0 76.6
61 44.0 39.4 59.0

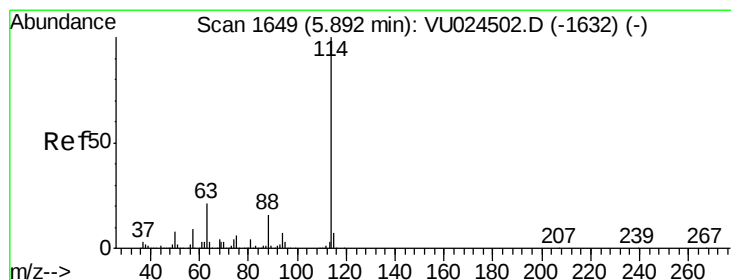
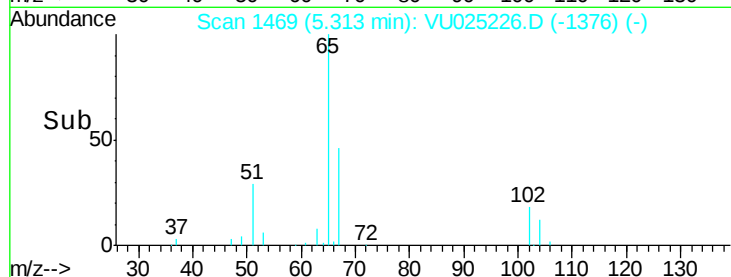
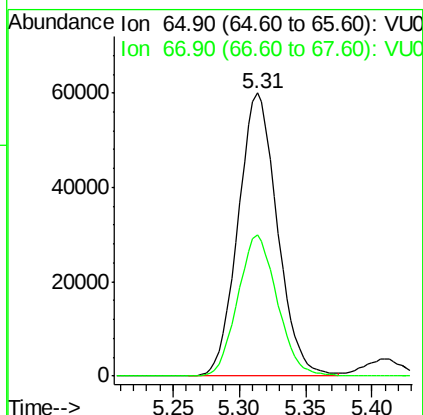
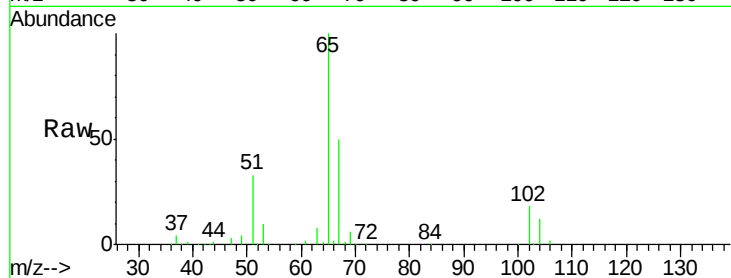




#33
 1,2-Dichloroethane-d4
 Concen: 46.93 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

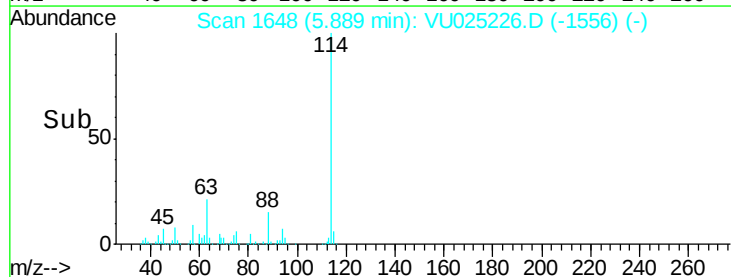
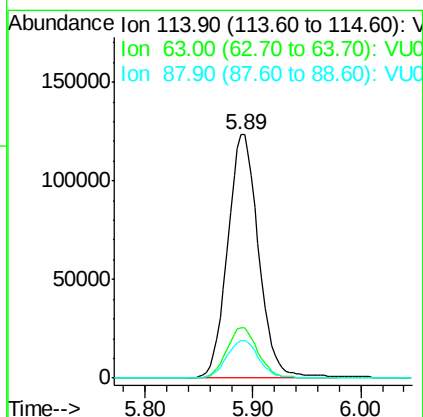
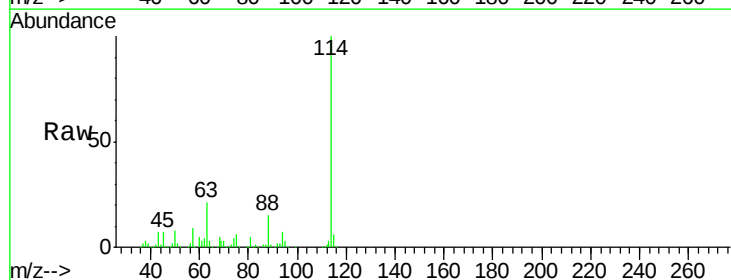
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

Tot Ion: 65 Resp: 123665
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion: 114 Resp: 247404
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 15.3 0.0 31.0

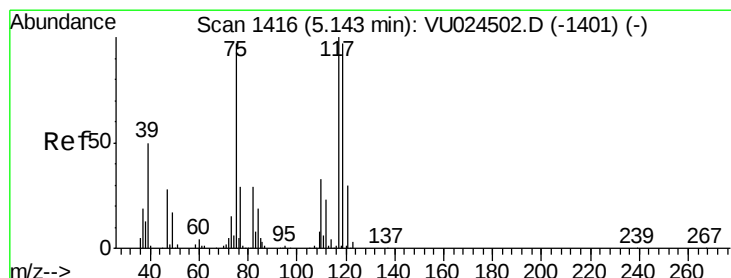
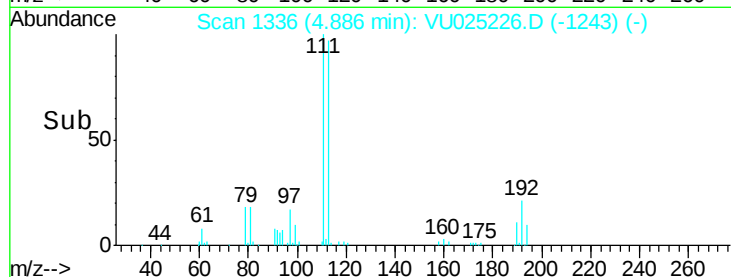
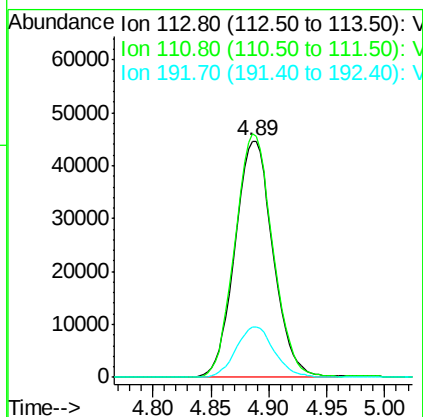
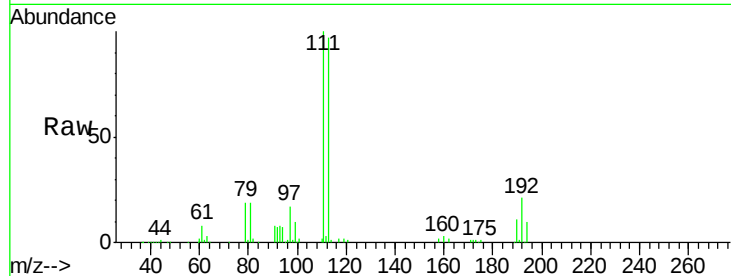




#35
 Dibromofluoromethane
 Concen: 49.58 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

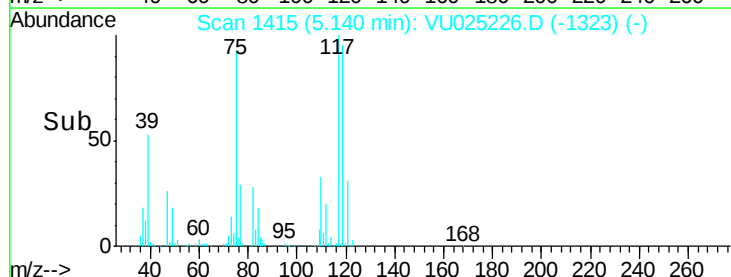
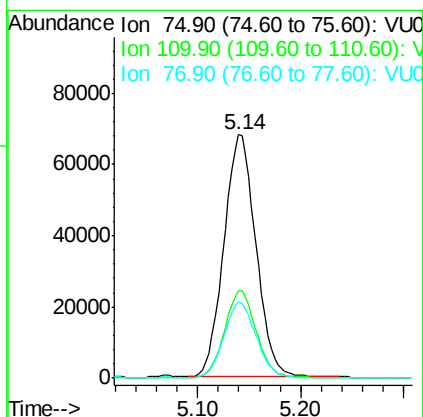
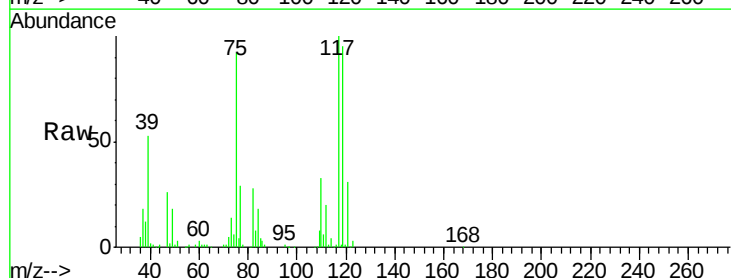
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

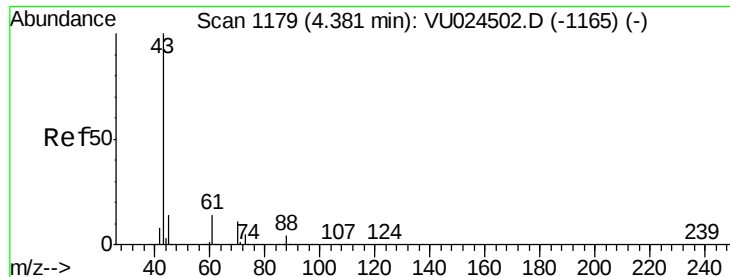
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	21.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 50.79 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	50.9
77	31.3	24.2	36.4

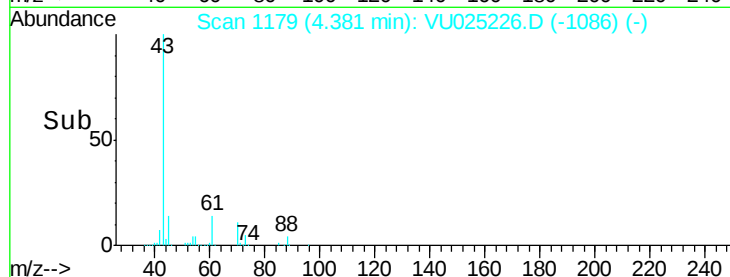
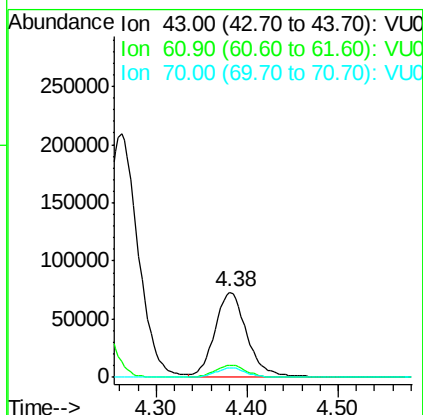
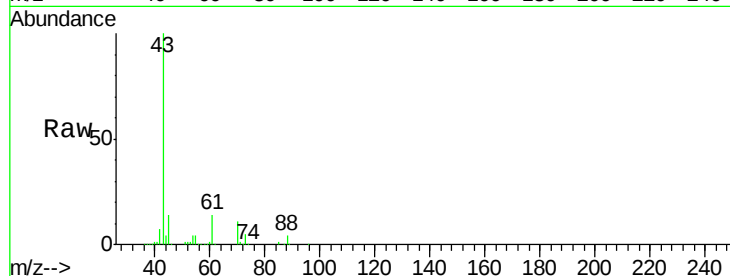




#37
Ethyl Acetate
Concen: 55.96 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

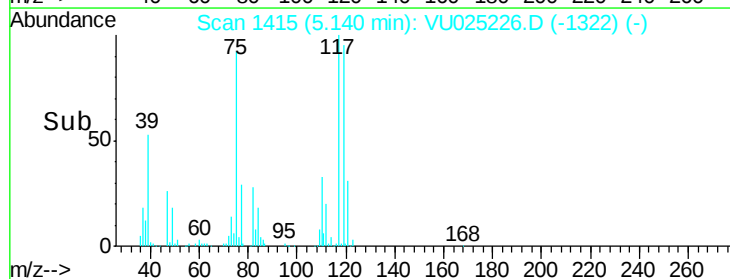
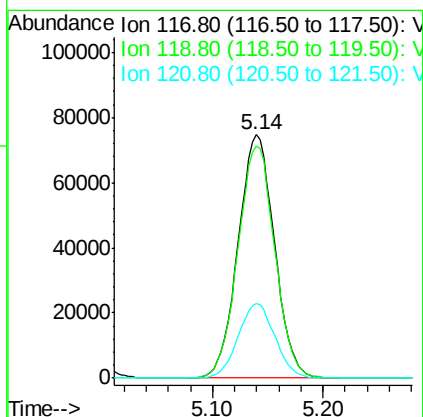
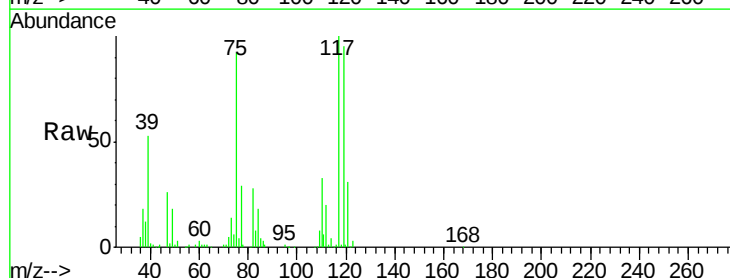
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion: 43 Resp: 177316
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 10.8 7.4 11.2



#38
Carbon Tetrachloride
Concen: 53.31 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 117 Resp: 170417
Ion Ratio Lower Upper
117 100
119 95.2 76.1 114.1
121 30.8 23.7 35.5

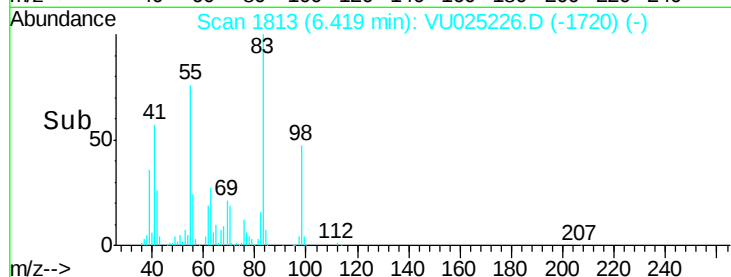
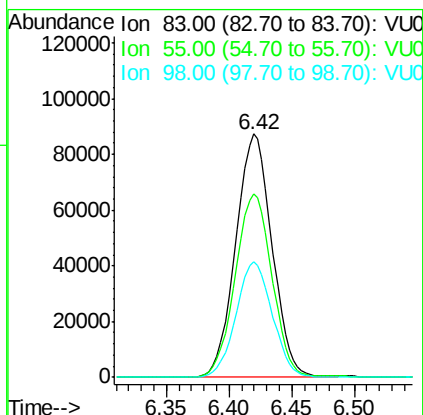
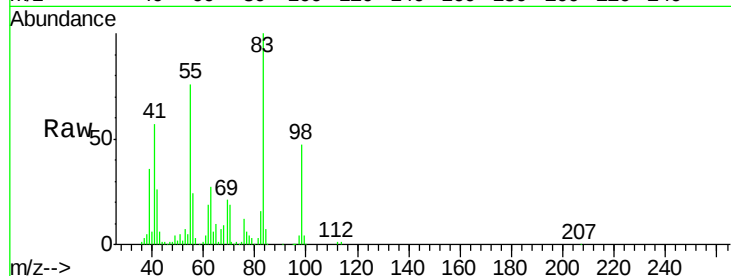




#39
Methvlcvclohexane
Concen: 48.60 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

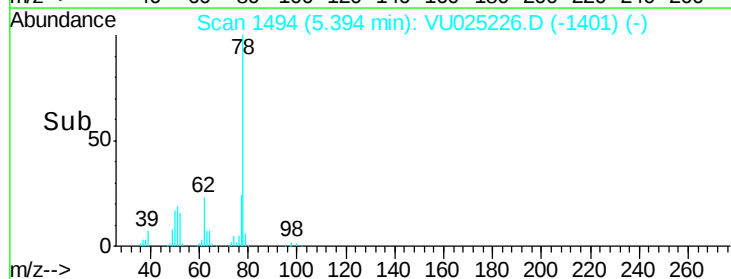
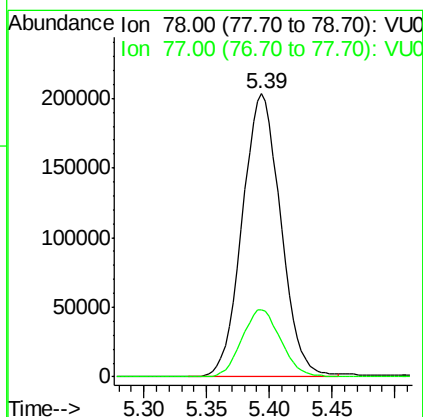
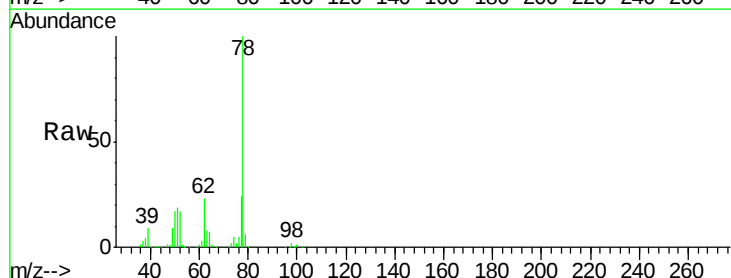
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion: 83 Resp: 176332
Ion Ratio Lower Upper
83 100
55 75.5 65.8 98.6
98 47.3 36.7 55.1



#40
Benzene
Concen: 52.39 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 78 Resp: 433971
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

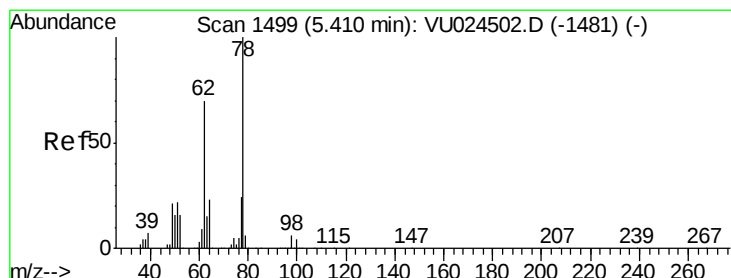
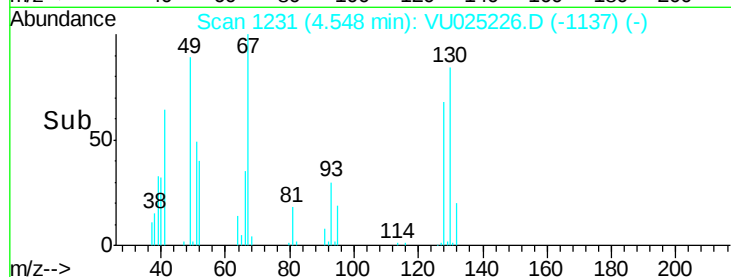
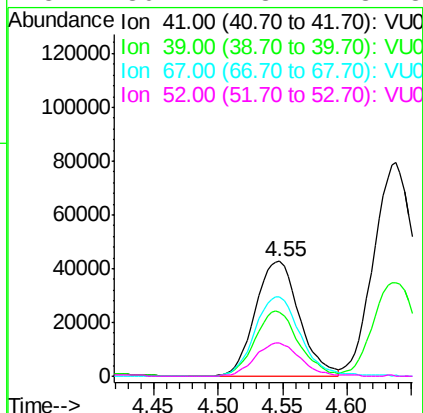
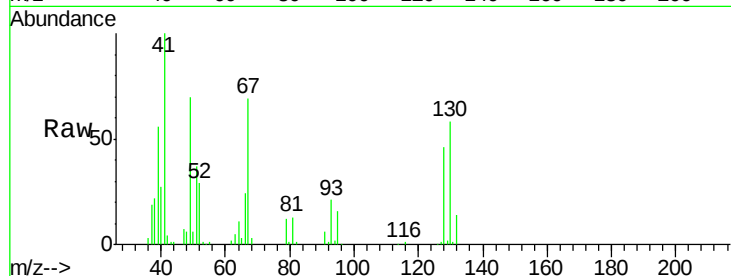




#41
Methacrylonitrile
Concen: 59.82 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

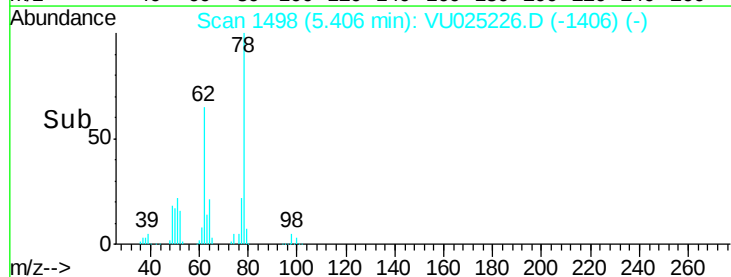
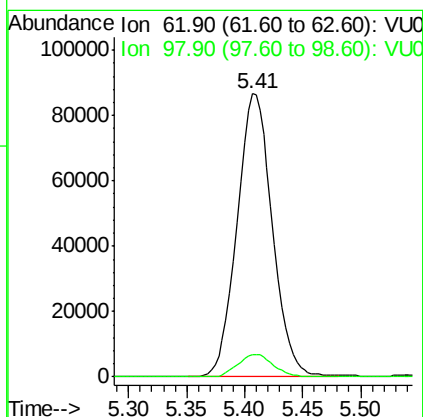
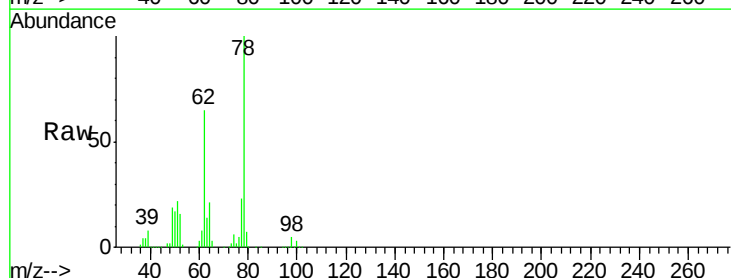
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

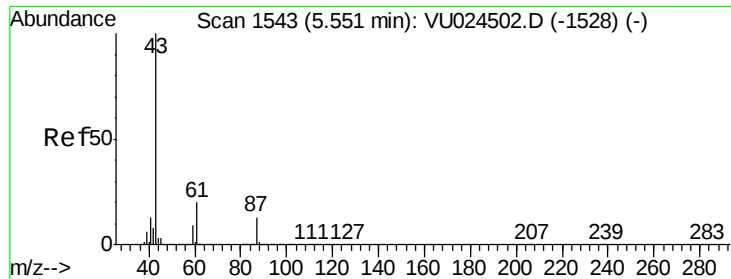
Tot Ion:	41	Resp:	102193
Ion	Ratio	Lower	Upper
41	100		
39	56.3	43.8	65.6
67	70.8	56.3	84.5
52	30.1	23.2	34.8



#42
1,2-Dichloroethane
Concen: 57.98 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion:	62	Resp:	182934
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6

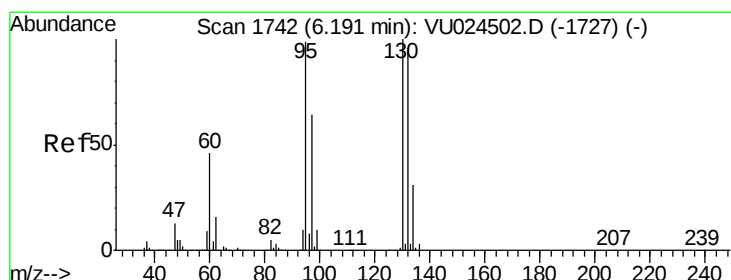
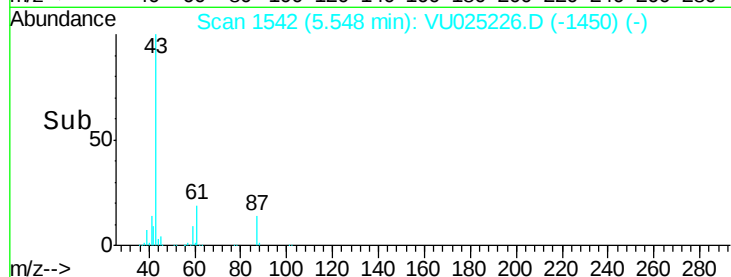
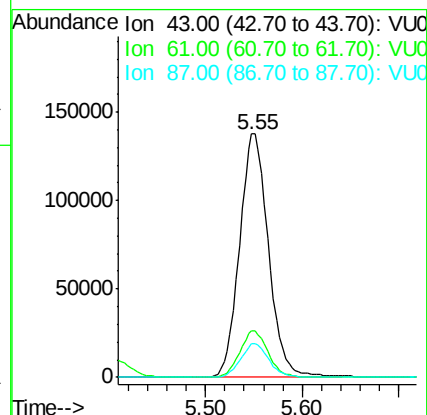
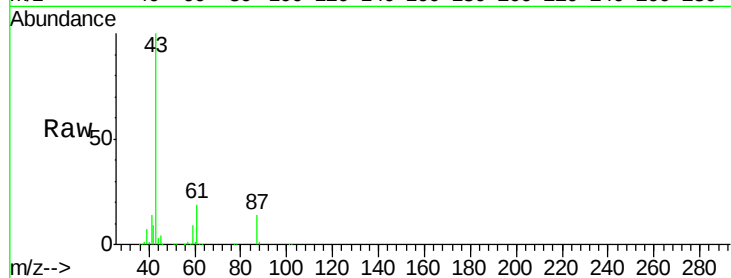




#43
Isopropyl Acetate
Concen: 51.92 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

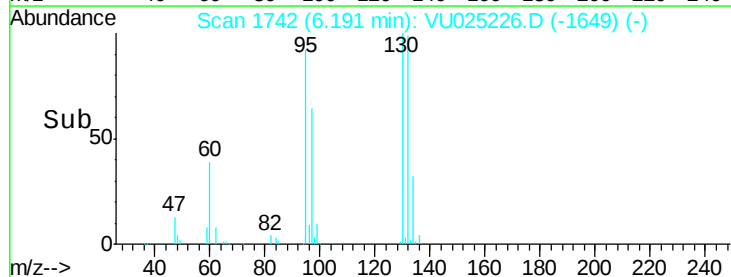
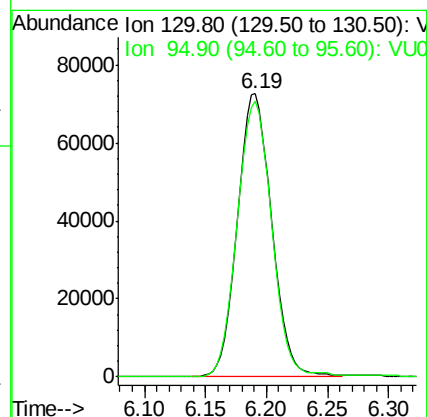
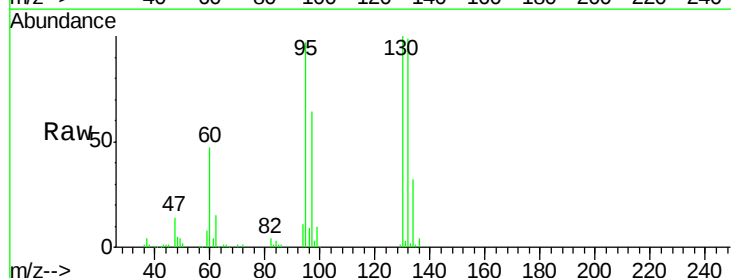
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion: 43 Resp: 284391
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.0
87 13.6 10.0 15.0



#44
Trichloroethene
Concen: 59.93 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 130 Resp: 141301
Ion Ratio Lower Upper
130 100
95 97.5 0.0 202.4

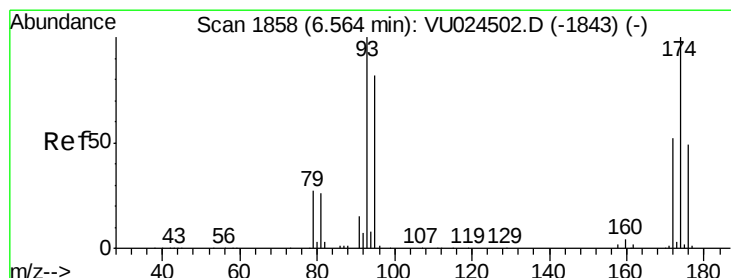
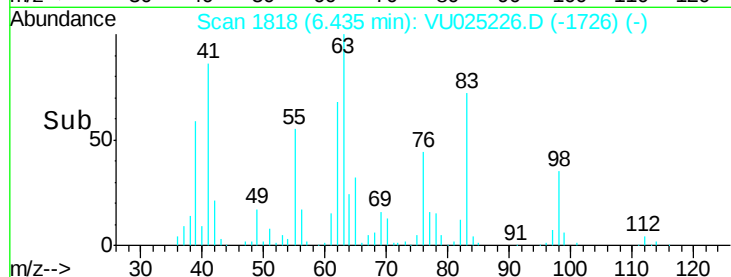
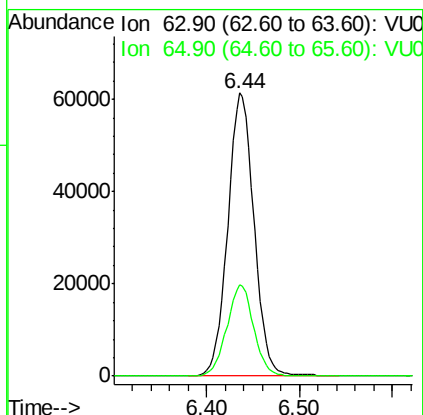
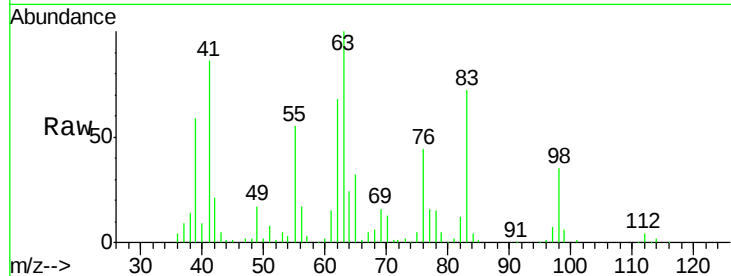




#45
 1,2-Dichloropropane
 Concen: 54.46 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

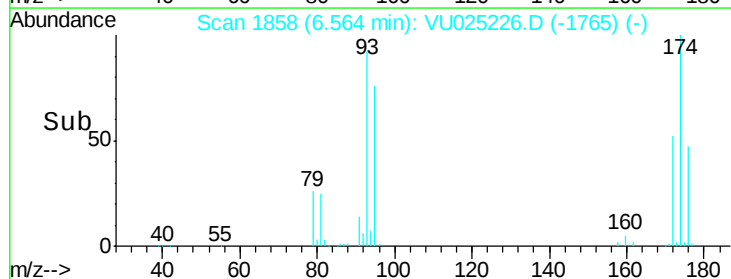
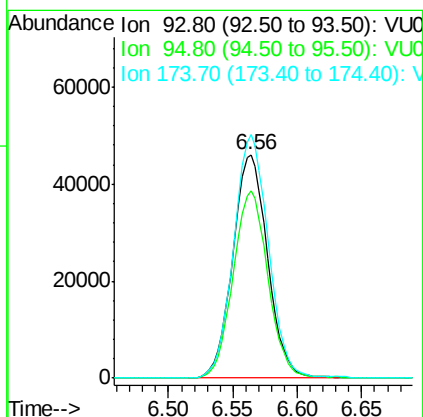
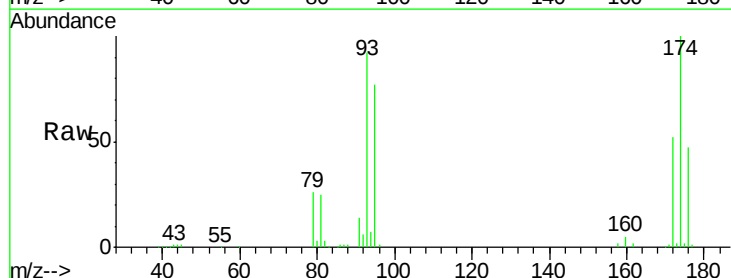
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

Tot Ion: 63 Resp: 120374
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.8 37.2



#46
 Dibromomethane
 Concen: 55.78 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion: 93 Resp: 86606
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.5 98.3
 174 108.0 78.7 118.1





#47

Bromodichloromethane

Concen: 53.46 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

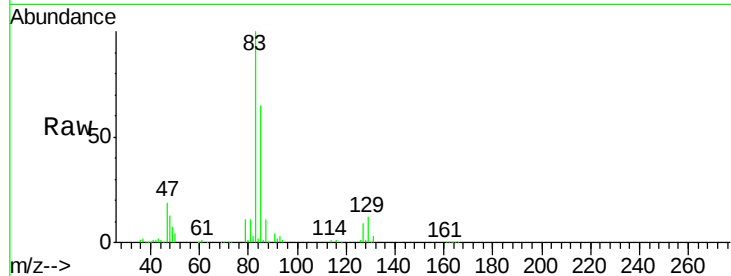
Tot Ion: 83 Resp: 165293

Ion Ratio Lower Upper

83 100

85 64.7 51.9 77.9

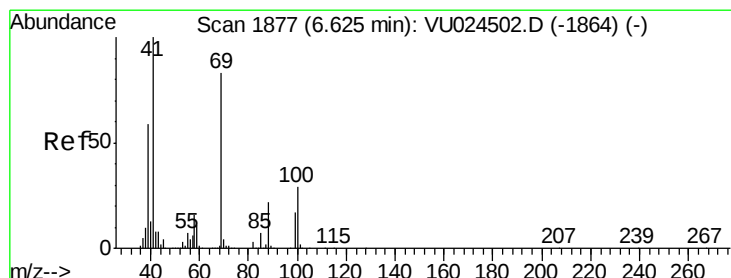
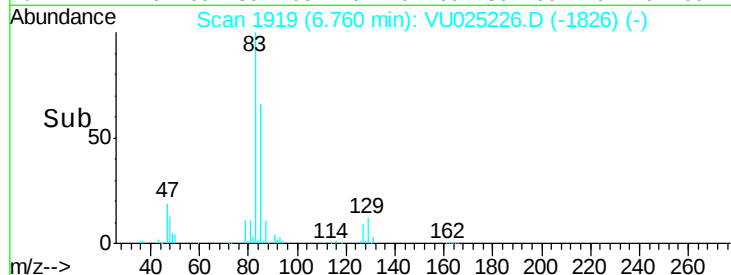
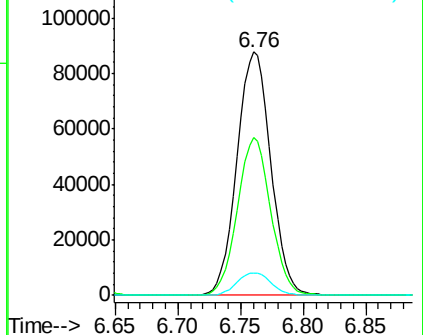
127 9.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.15 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

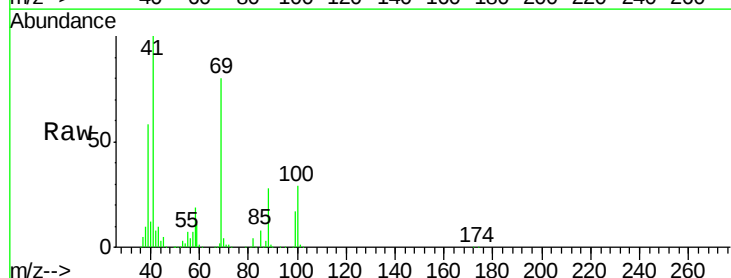
Tgt Ion: 41 Resp: 152413

Ion Ratio Lower Upper

41 100

69 80.5 67.3 100.9

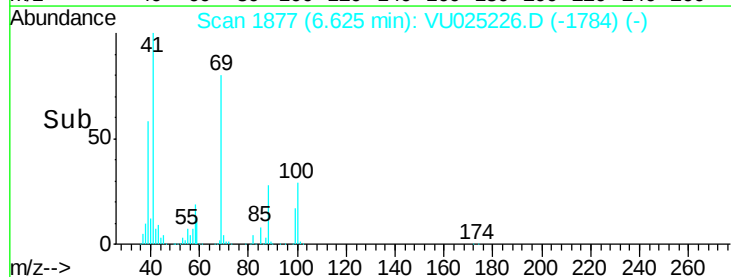
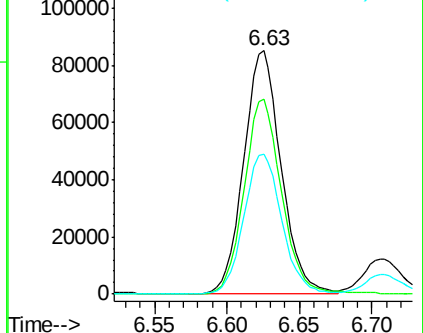
39 58.8 46.5 69.7

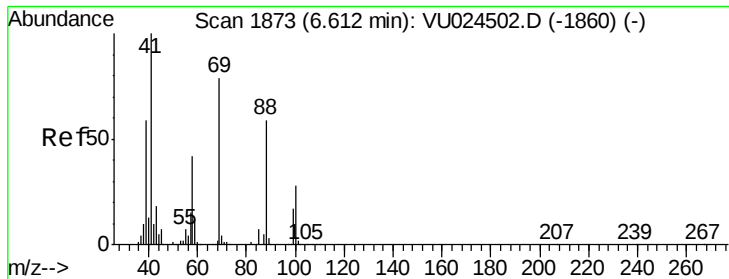


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

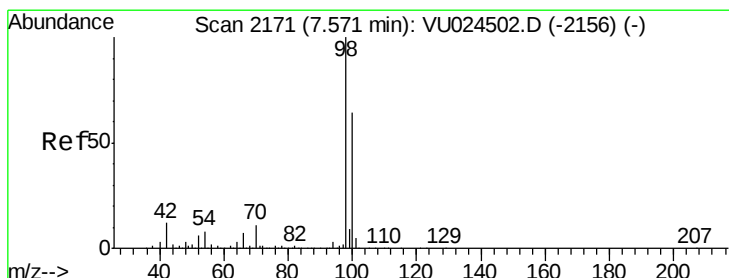
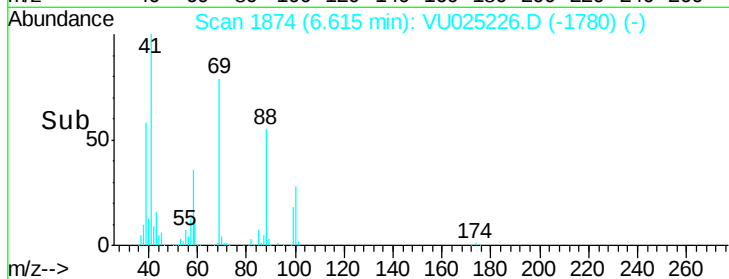
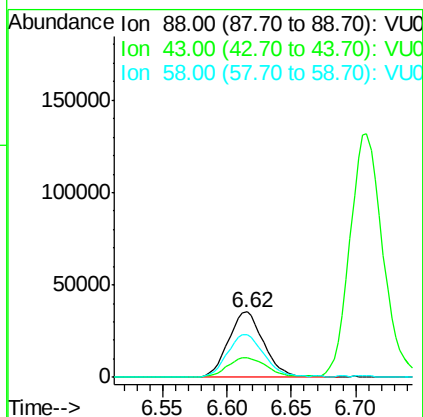
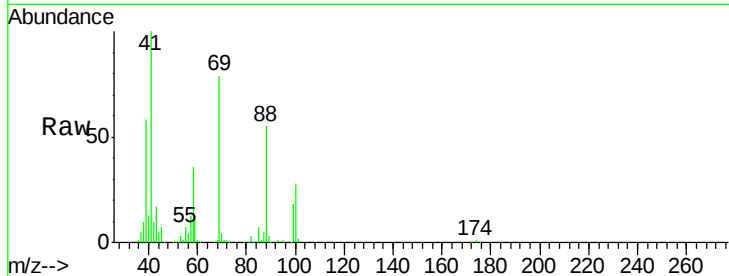




#49
1,4-Dioxane
Concen: 1282.97 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

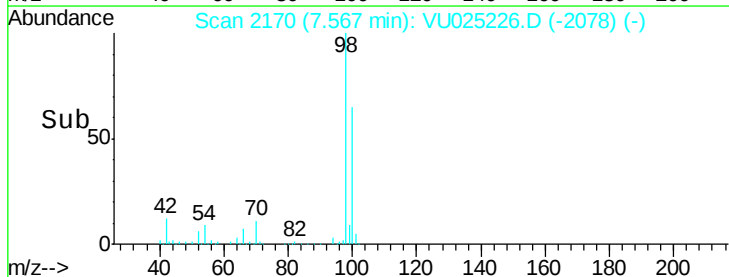
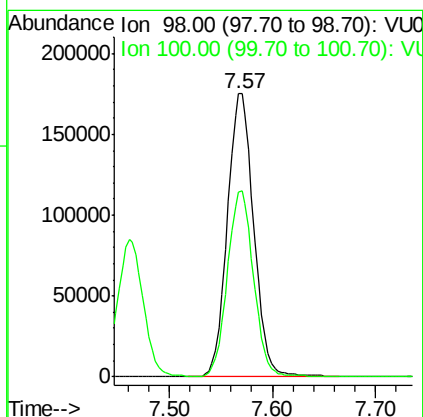
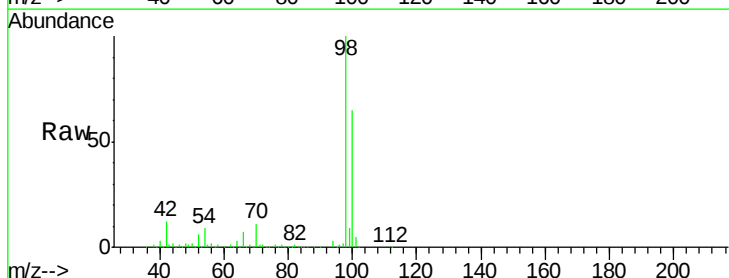
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

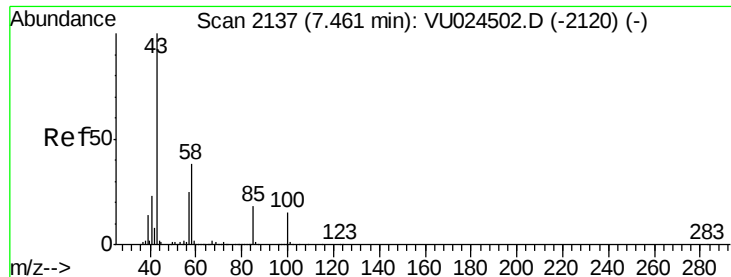
Tot Ion: 88 Resp: 66916
Ion Ratio Lower Upper
88 100
43 32.1 28.6 42.8
58 68.5 58.2 87.4



#50
Toluene-d8
Concen: 41.81 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion: 98 Resp: 313169
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 281.76 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

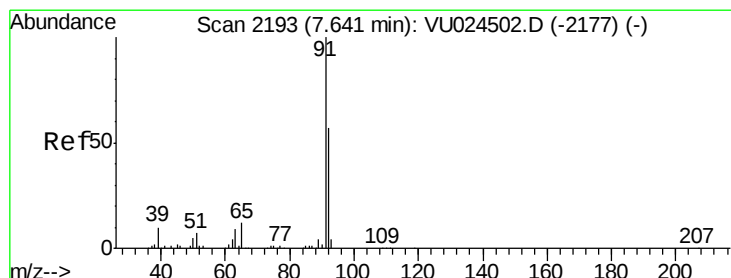
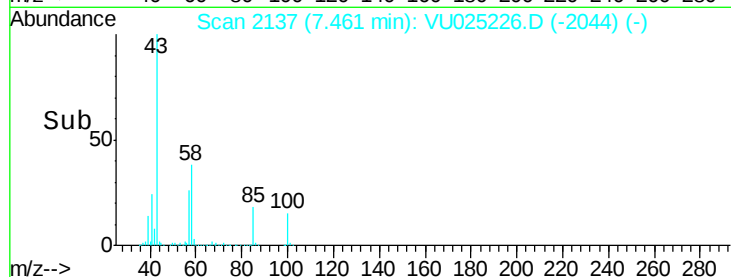
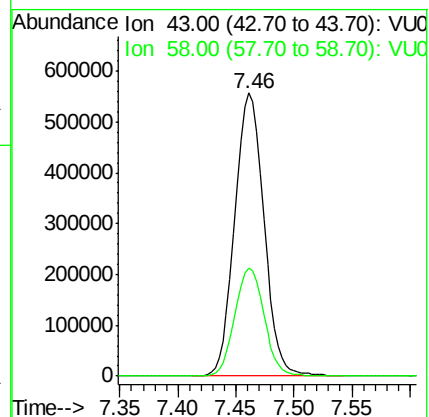
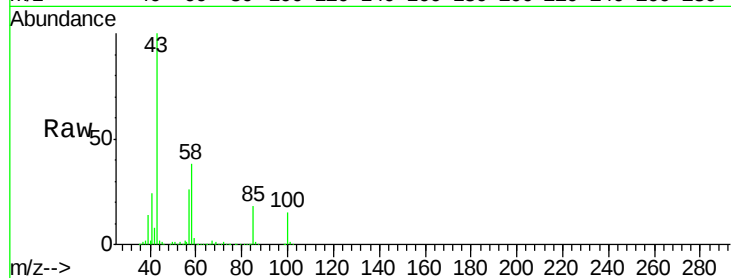
WP021MW472-180628MS

Tot Ion: 43 Resp: 969520

Ion Ratio Lower Upper

43 100

58 38.5 30.0 45.0



#52

Toluene

Concen: 53.30 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025226.D

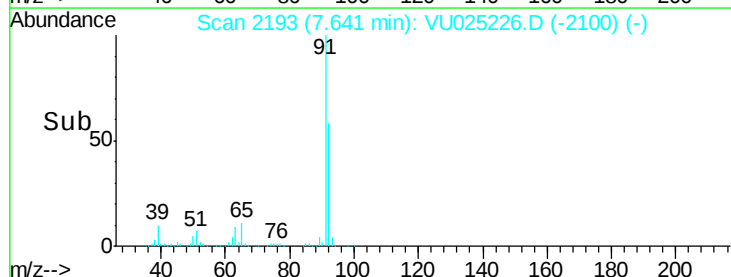
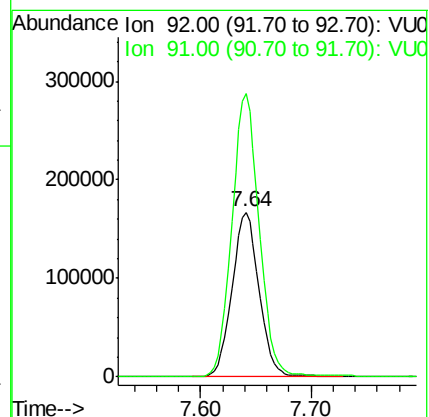
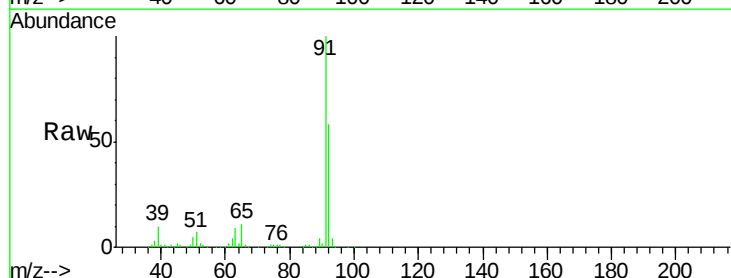
Acq: 05 Jul 2018 19:29

Tgt Ion: 92 Resp: 284039

Ion Ratio Lower Upper

92 100

91 174.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 49.70 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

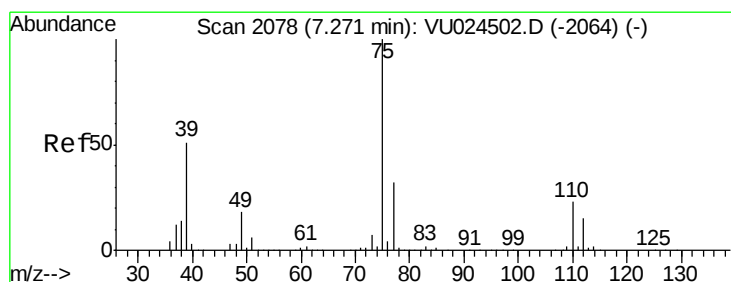
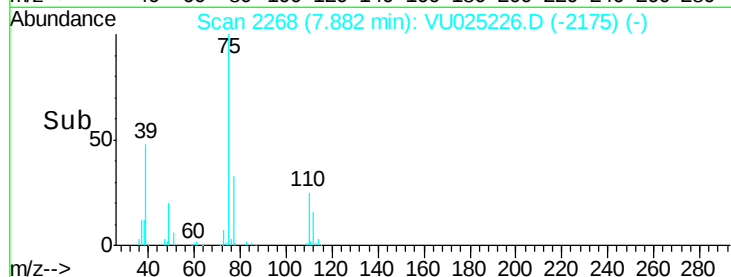
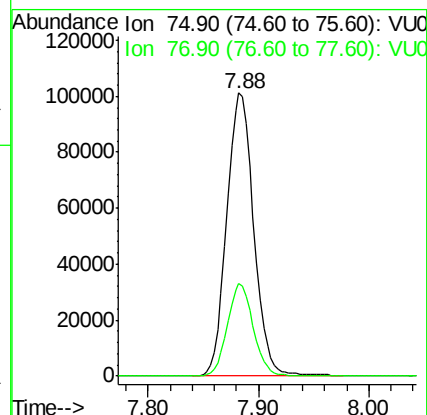
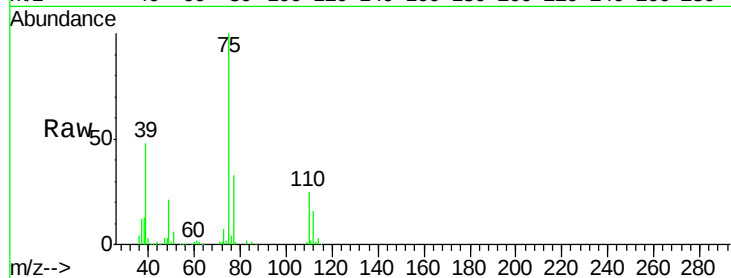
WP021MW472-180628MS

Tot Ion: 75 Resp: 172570

Ion Ratio Lower Upper

75 100

77 32.9 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 49.05 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

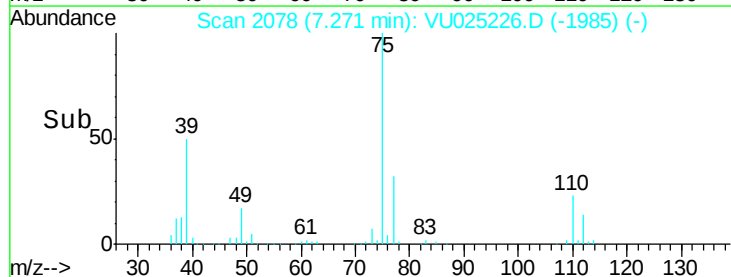
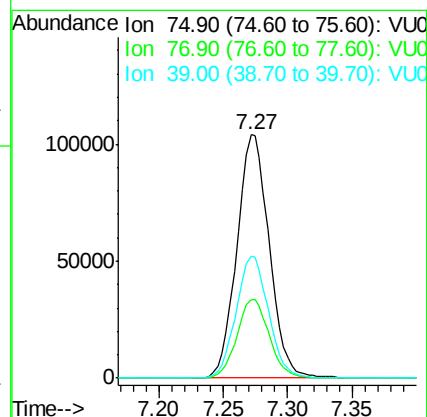
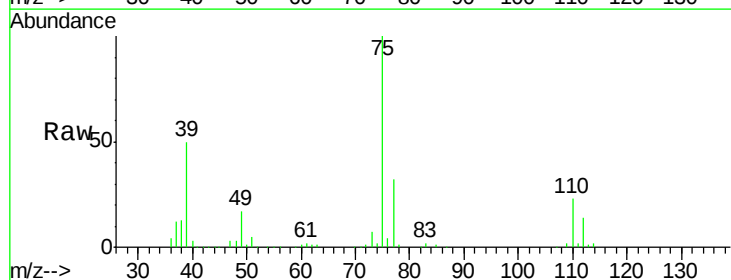
Tgt Ion: 75 Resp: 181449

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8

39 50.2 39.8 59.6

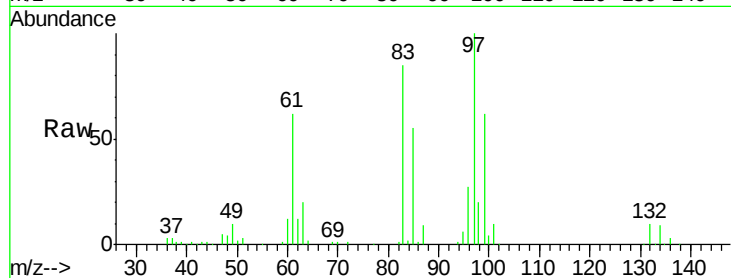




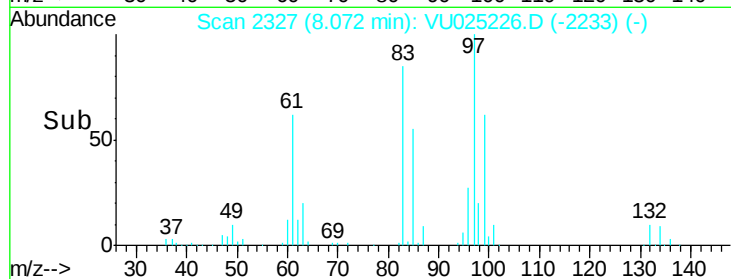
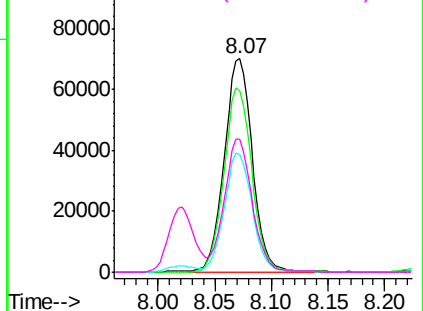
#55
 1,1,2-Trichloroethane
 Concen: 55.44 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

Tot Ion:	97	Resp:	120116
Ion	Ratio	Lower	Upper
97	100		
83	85.5	70.5	105.7
85	55.3	46.4	69.6
99	62.2	50.2	75.2

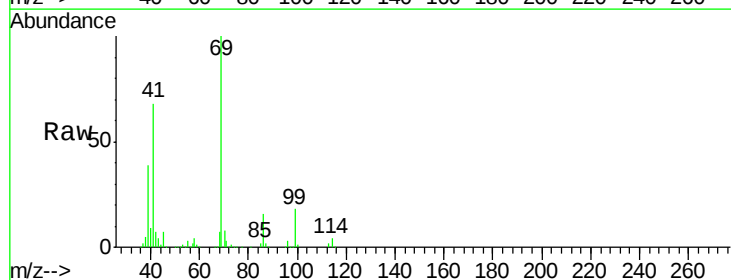


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

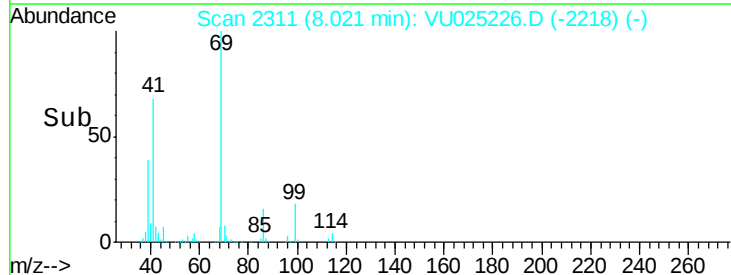
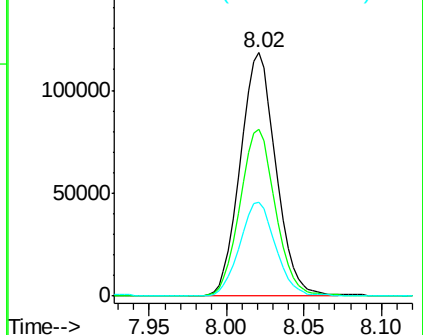


#56
 Ethyl methacrylate
 Concen: 52.34 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion:	69	Resp:	189797
Ion	Ratio	Lower	Upper
69	100		
41	68.5	54.1	81.1
39	38.5	30.3	45.5



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

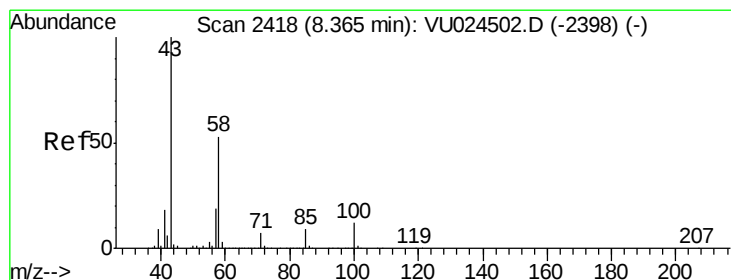
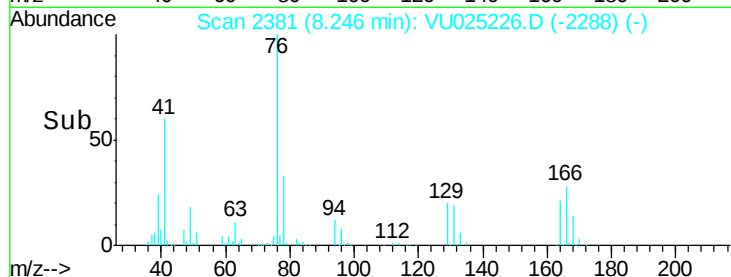
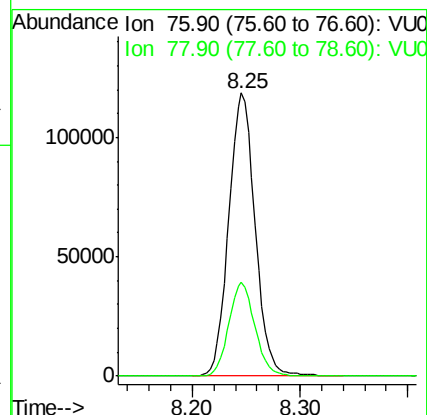
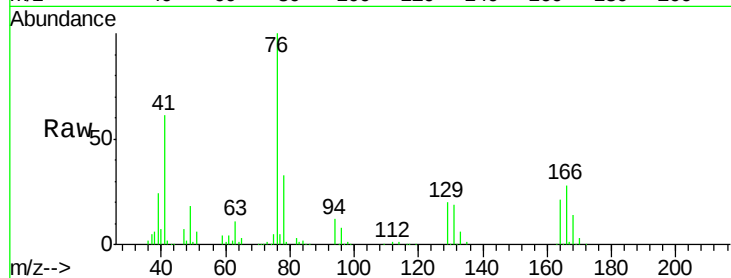




#57
 1,3-Dichloropropane
 Concen: 55.33 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

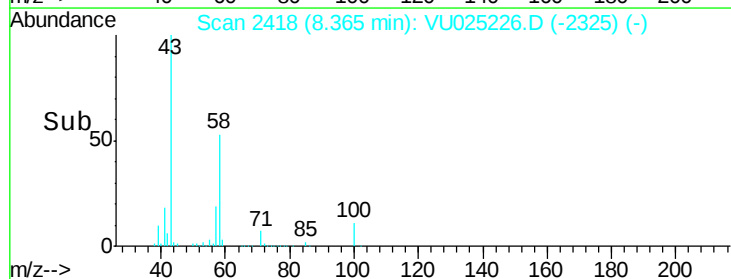
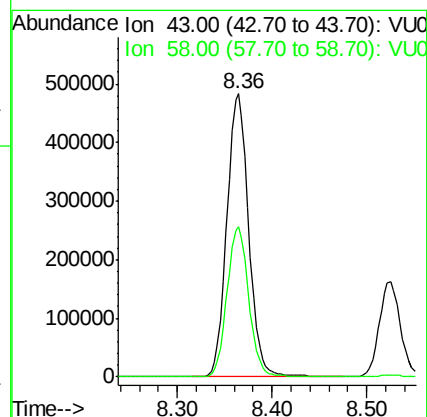
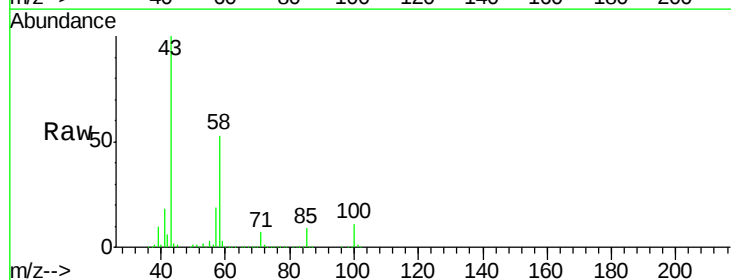
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

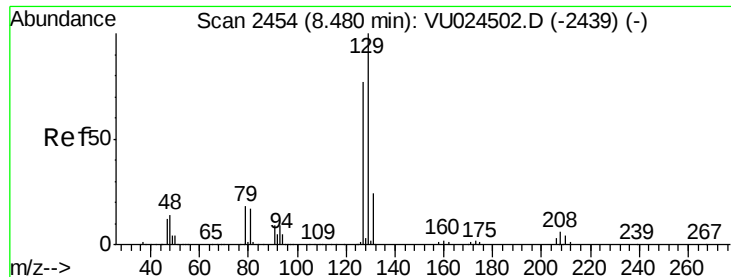
Tot Ion: 76 Resp: 202195
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.2 37.8



#59
 2-Hexanone
 Concen: 275.51 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion: 43 Resp: 773990
 Ion Ratio Lower Upper
 43 100
 58 53.1 26.4 79.0





#60

Dibromochloromethane

Concen: 50.69 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

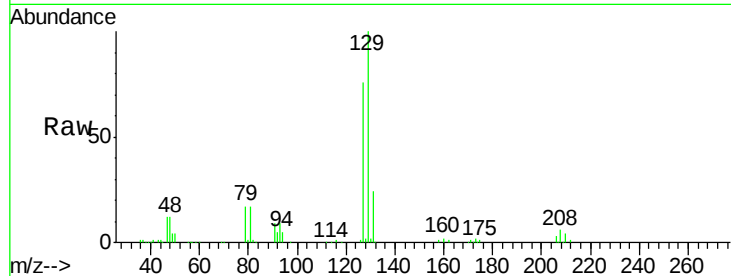
WP021MW472-180628MS

Tot Ion:129 Resp: 136951

Ion Ratio Lower Upper

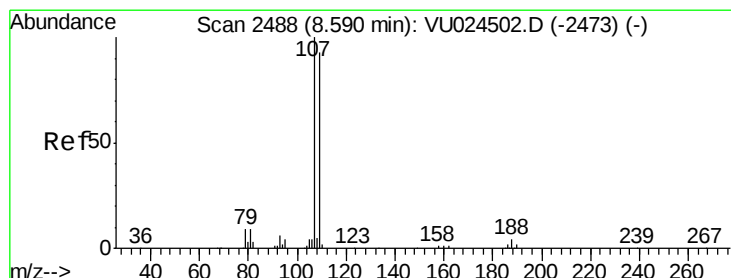
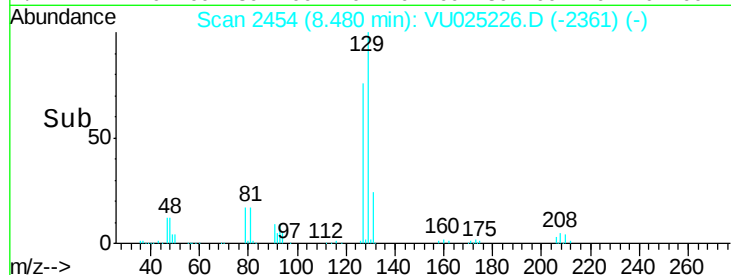
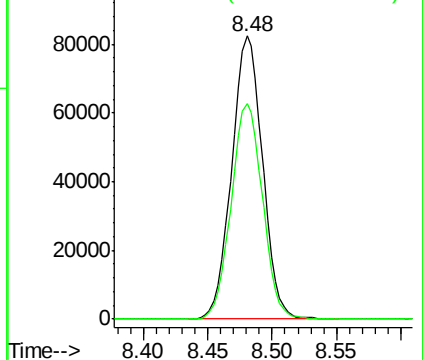
129 100

127 77.4 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: 54.86 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025226.D

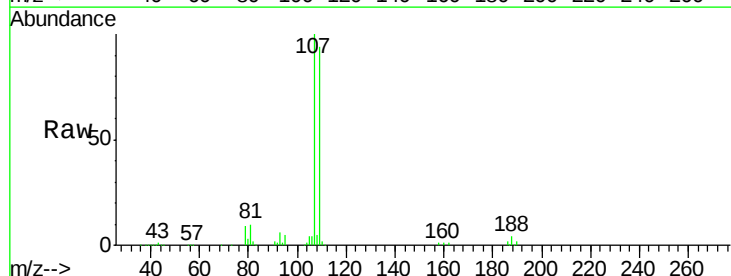
Acq: 05 Jul 2018 19:29

Tgt Ion:107 Resp: 132283

Ion Ratio Lower Upper

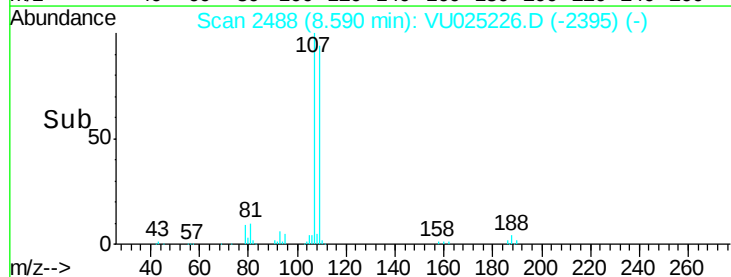
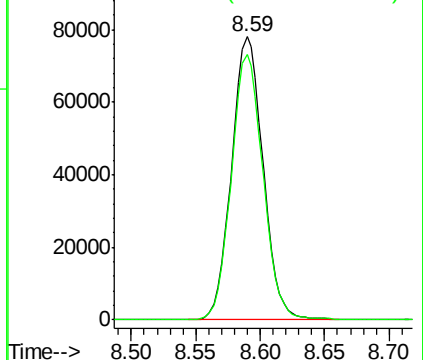
107 100

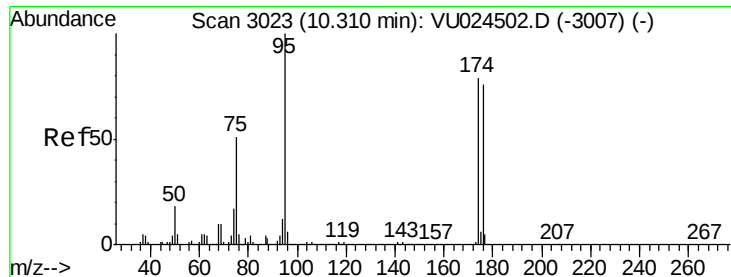
109 94.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 47.21 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

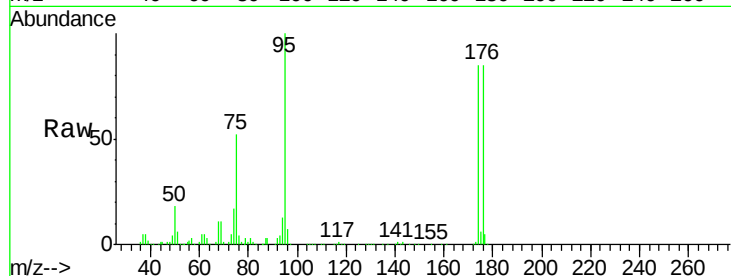
Tot Ion: 95 Resp: 140381

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

176 83.3 0.0 159.4

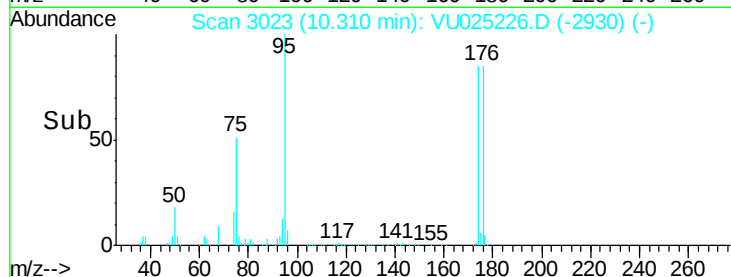


Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

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

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

Time-->

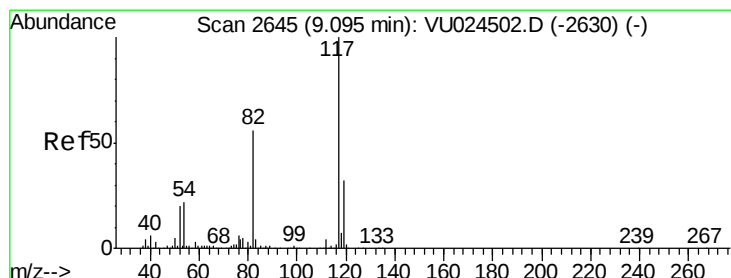


Abundance Ion 94.90 (94.60 to 95.60): VU025226.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025226.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025226.D (-2930) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

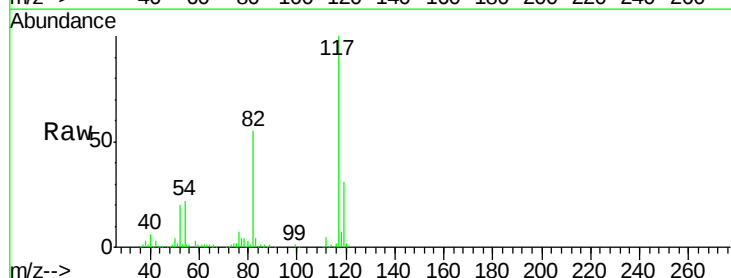
Tgt Ion: 117 Resp: 237281

Ion Ratio Lower Upper

117 100

82 55.0 44.3 66.5

119 31.3 25.4 38.2

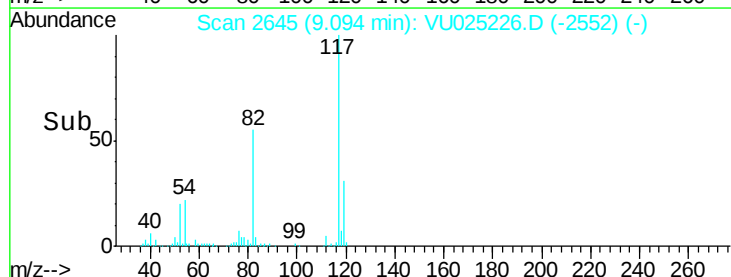


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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

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

Time-->

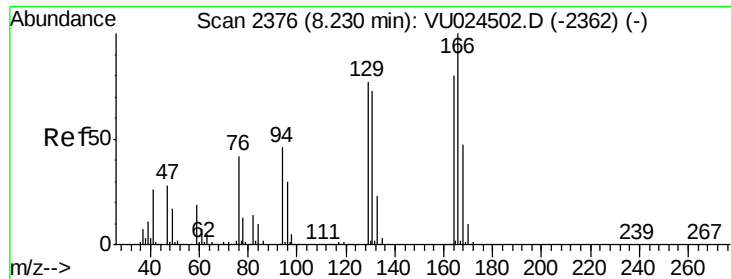


Abundance Ion 116.90 (116.60 to 117.60): VU025226.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025226.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025226.D (-2552) (-)

Time-->



#64

Tetrachloroethene

Concen: 45.58 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

Tot Ion:164 Resp: 102802

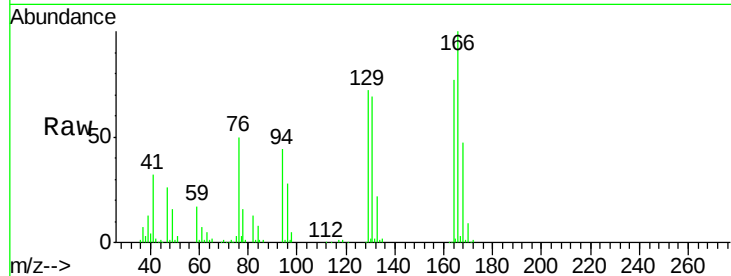
Ion Ratio Lower Upper

164 100

166 129.6 101.7 152.5

129 93.3 76.9 115.3

131 89.3 74.9 112.3

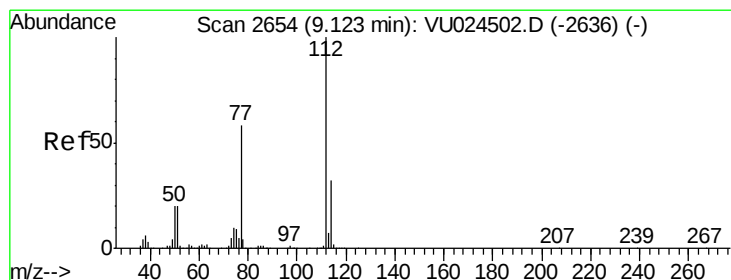
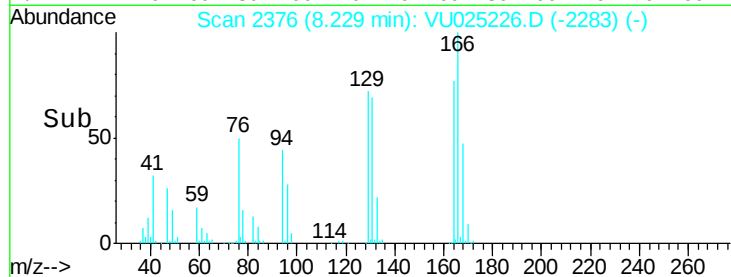
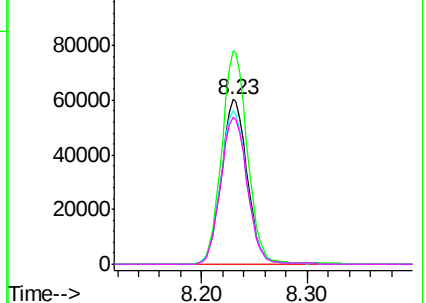


Abundance Ion 163.80 (163.50 to 164.50): V

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: 57.38 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025226.D

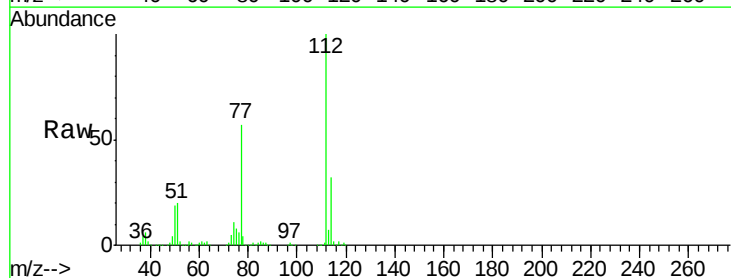
Acq: 05 Jul 2018 19:29

Tgt Ion:112 Resp: 347842

Ion Ratio Lower Upper

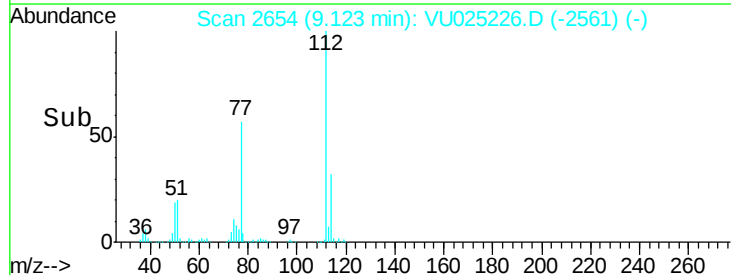
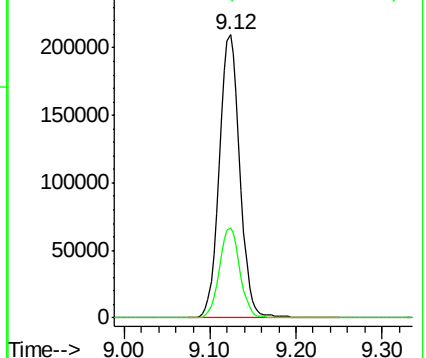
112 100

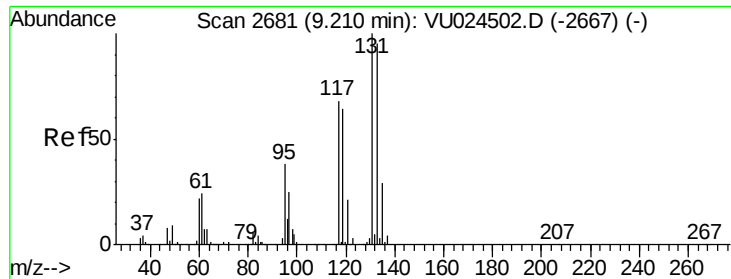
114 32.0 25.6 38.4



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: 54.01 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

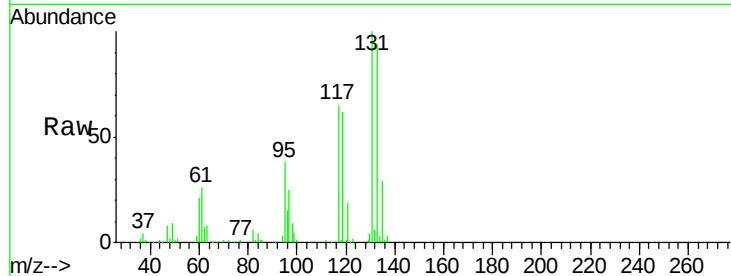
Tot Ion:131 Resp: 124387

Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.8

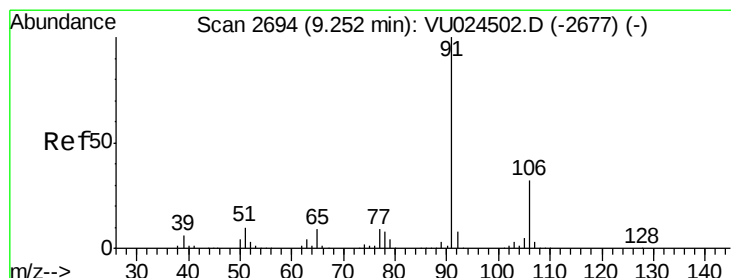
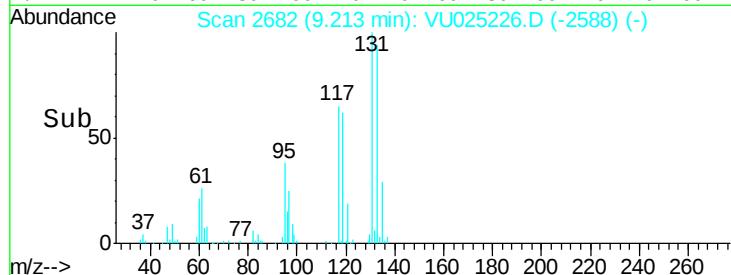
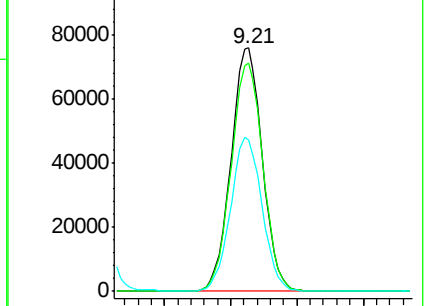
119 63.7 33.5 100.4



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: 52.50 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025226.D

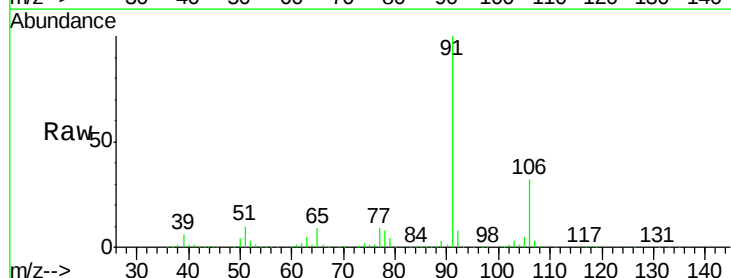
Acq: 05 Jul 2018 19:29

Tgt Ion: 91 Resp: 557936

Ion Ratio Lower Upper

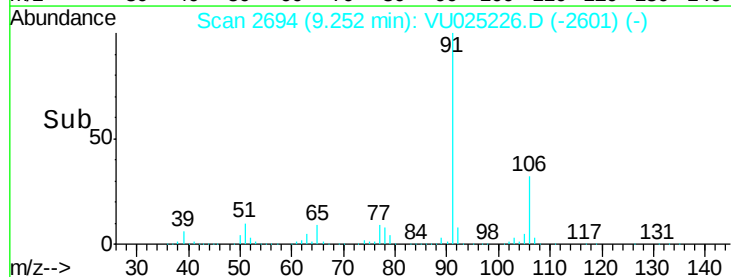
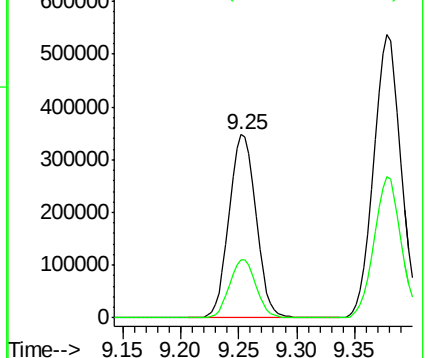
91 100

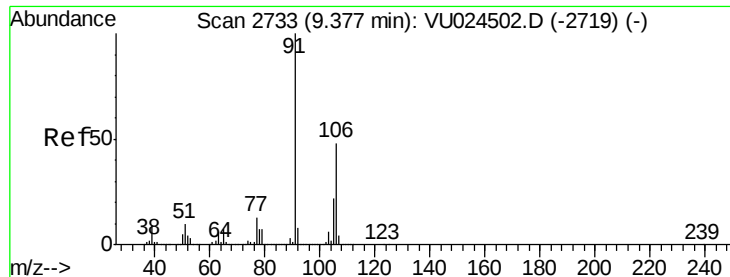
106 31.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

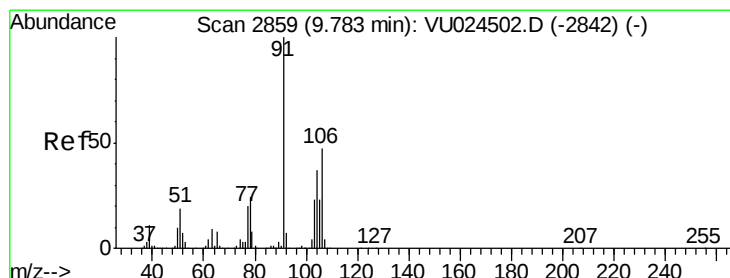
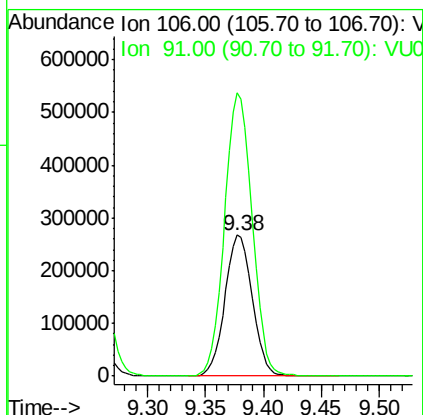
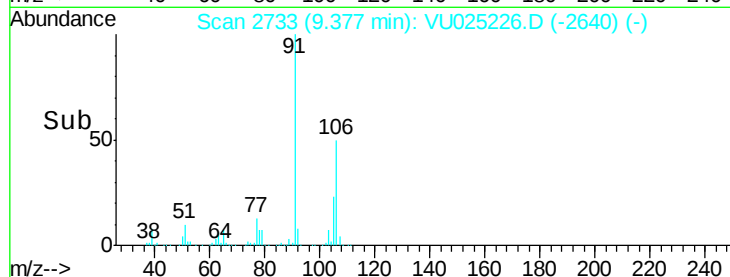
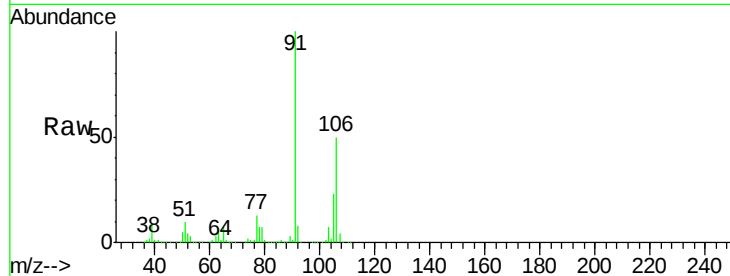




#68
m/p-Xylenes
Concen: 107.21 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

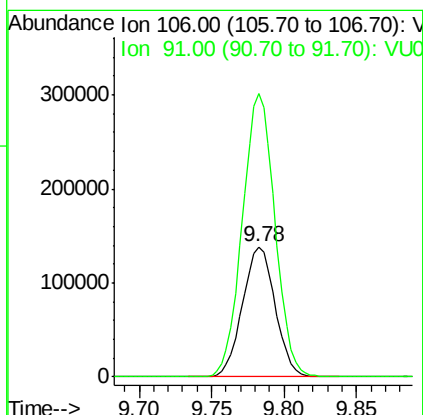
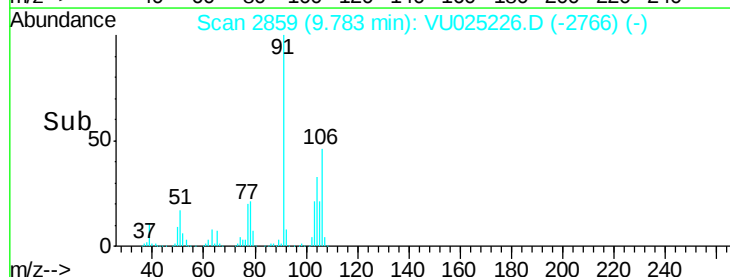
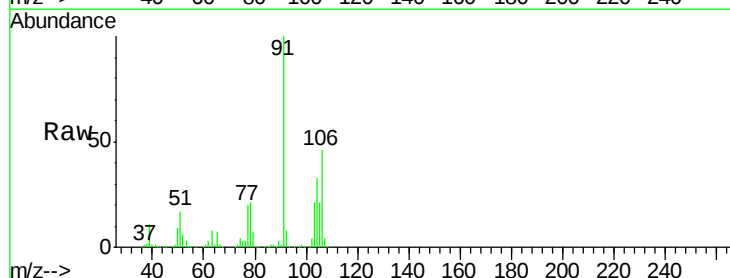
Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628MS

Tot Ion:106 Resp: 437482
Ion Ratio Lower Upper
106 100
91 203.0 166.5 249.7



#69
o-Xylene
Concen: 53.79 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025226.D
Acq: 05 Jul 2018 19:29

Tgt Ion:106 Resp: 217238
Ion Ratio Lower Upper
106 100
91 217.3 110.7 331.9





#70

Stvrene

Concen: 51.84 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

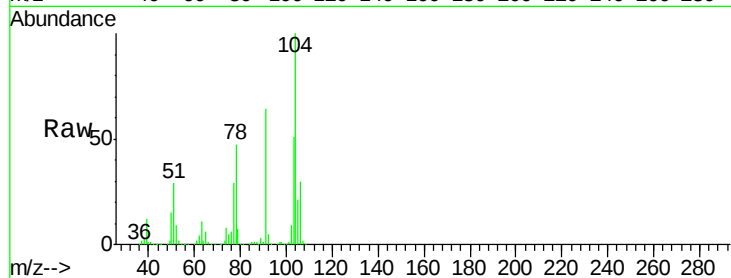
Tot Ion:104 Resp: 344039

Ion Ratio Lower Upper

104 100

78 52.1 40.6 60.8

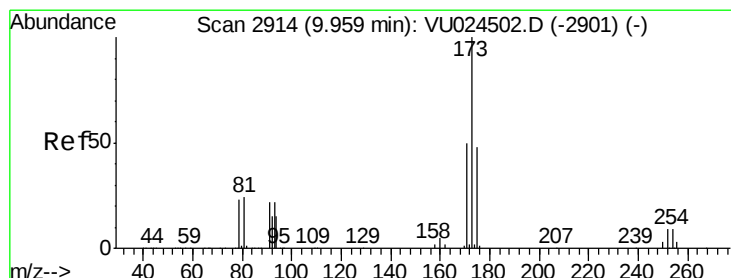
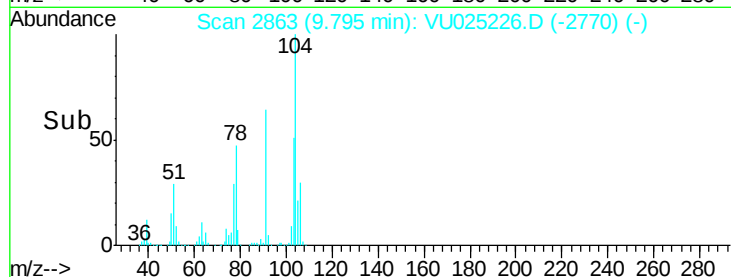
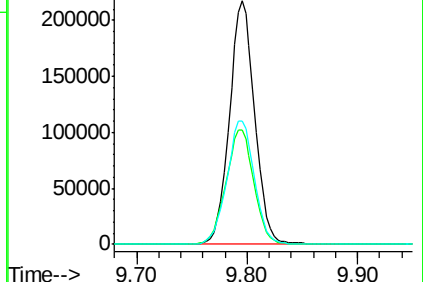
103 55.4 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 49.49 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

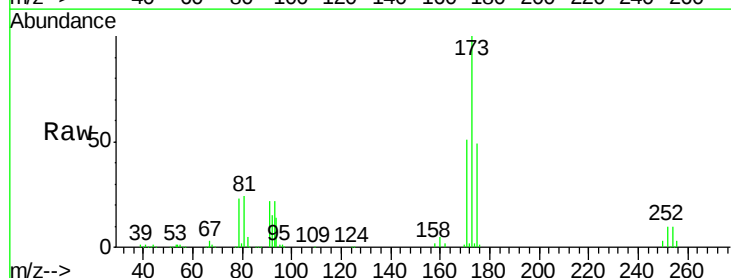
Tgt Ion:173 Resp: 108341

Ion Ratio Lower Upper

173 100

175 49.1 24.6 74.0

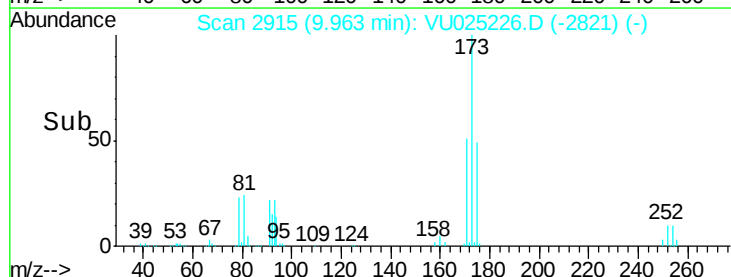
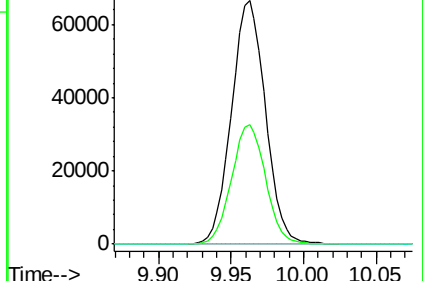
254 0.0 0.0 0.0#

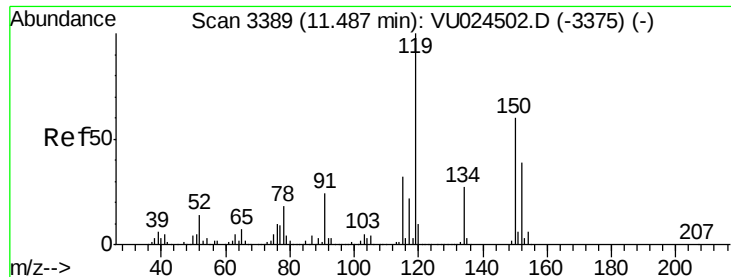


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

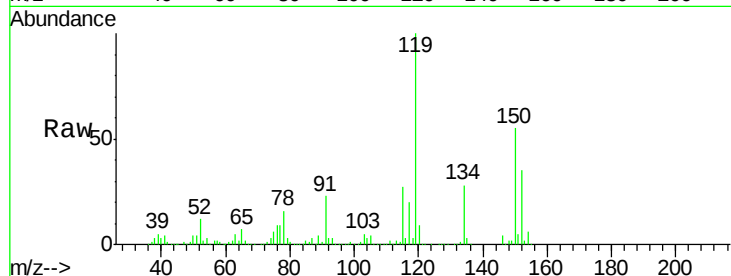
Tot Ion:152 Resp: 144834

Ion Ratio Lower Upper

152 100

115 83.2 43.0 129.0

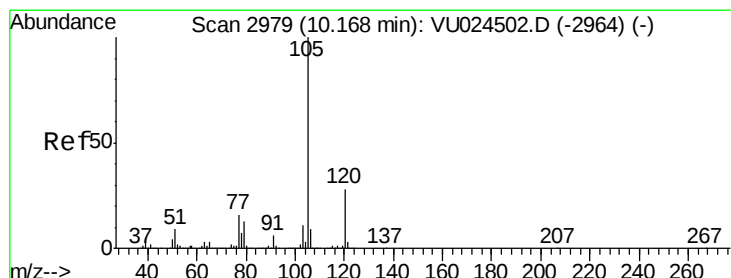
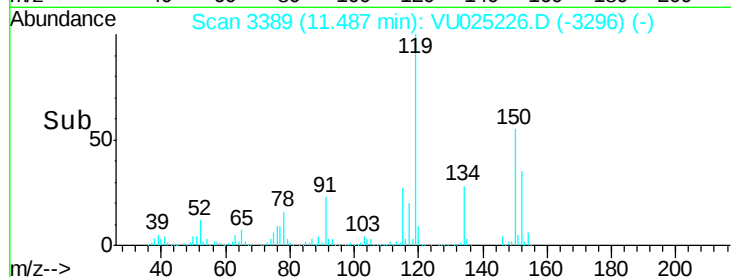
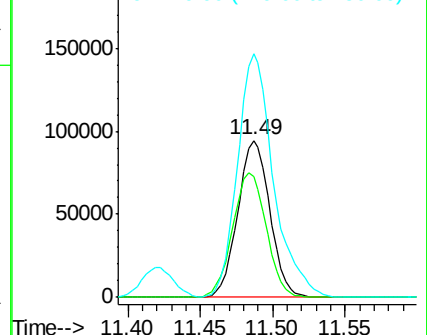
150 174.5 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.65 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025226.D

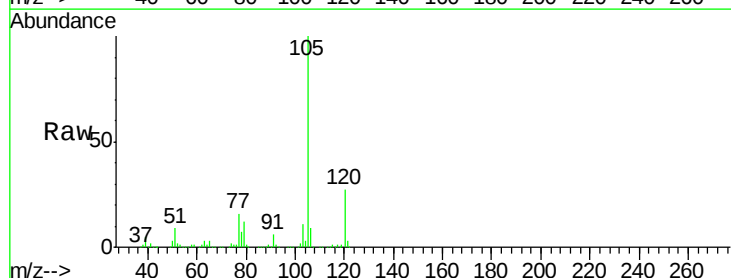
Acq: 05 Jul 2018 19:29

Tgt Ion:105 Resp: 596621

Ion Ratio Lower Upper

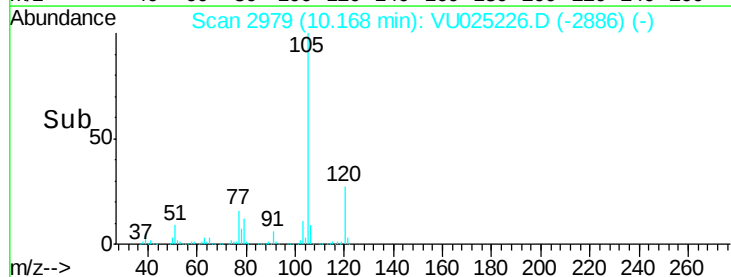
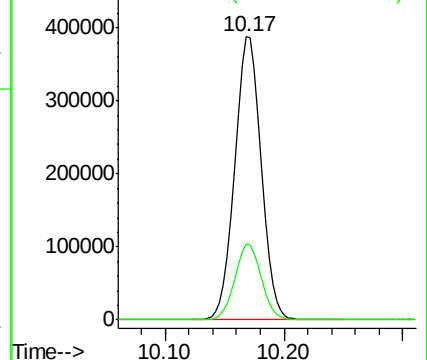
105 100

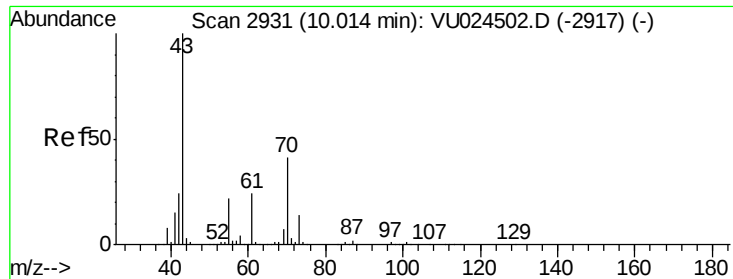
120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.44 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

Tot Ion: 43 Resp: 250929

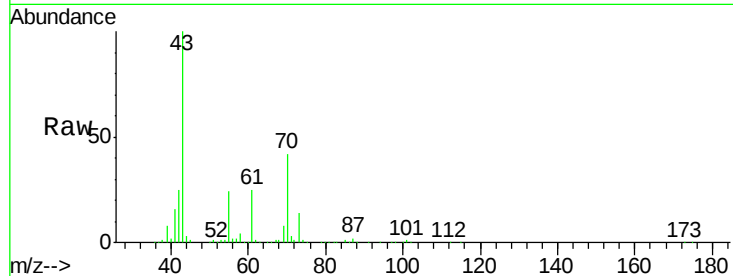
Ion Ratio Lower Upper

43 100

70 42.0 32.2 48.4

55 25.4 20.5 30.7

61 24.2 18.7 28.1

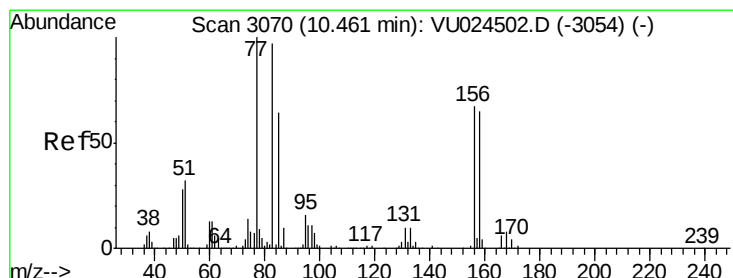
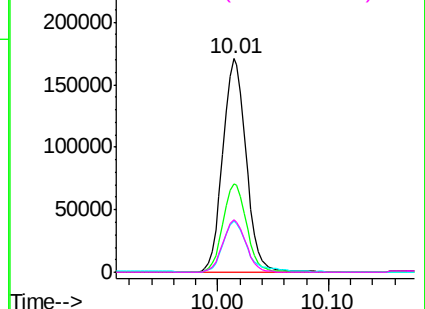
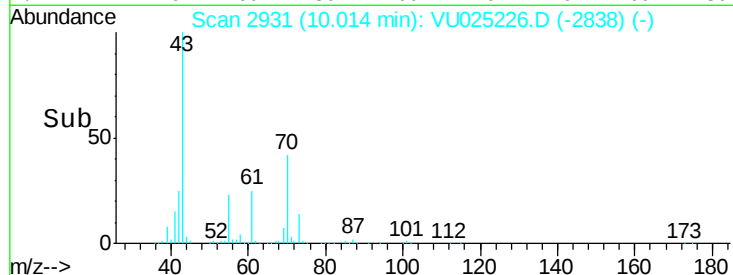


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 55.02 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

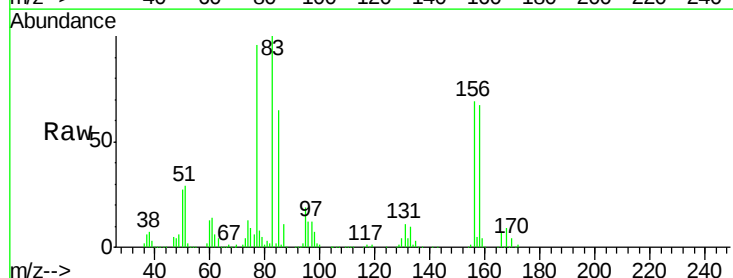
Tgt Ion: 83 Resp: 205002

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

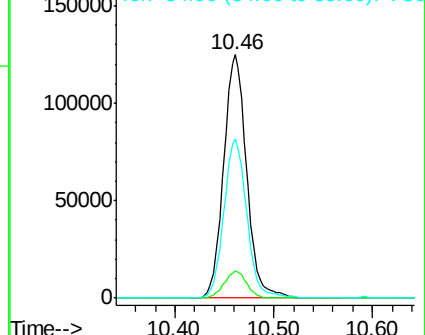
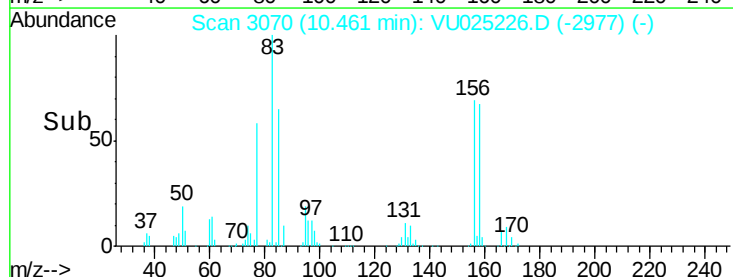
85 65.2 32.5 97.5

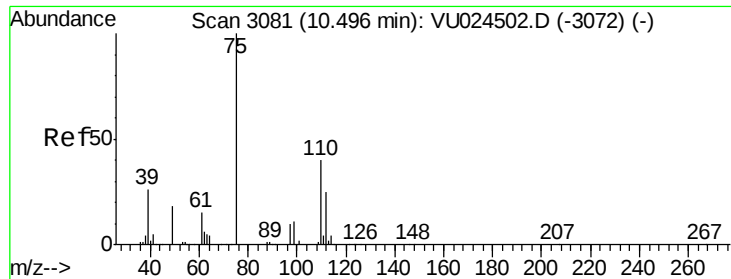


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 74.12 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

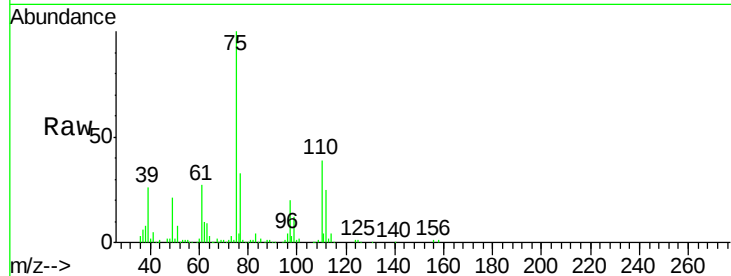
WP021MW472-180628MS

Tot Ion: 75 Resp: 236347

Ion Ratio Lower Upper

75 100

77 30.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3072) (-)

150000

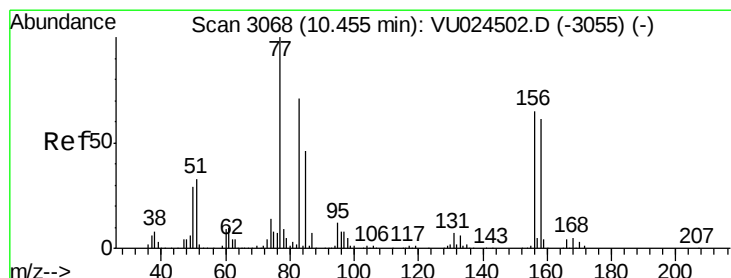
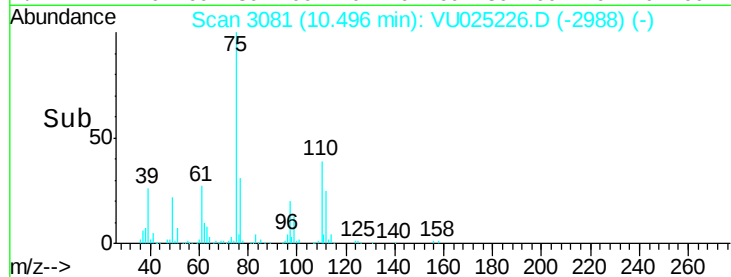
100000

50000

0

10.45 10.50 10.55

Time-->



#77

Bromobenzene

Concen: 54.03 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

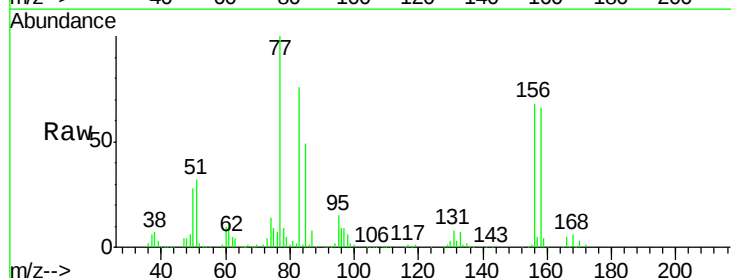
Tgt Ion: 156 Resp: 152103

Ion Ratio Lower Upper

156 100

77 147.8 80.5 241.3

158 97.2 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VU024502.D (-3055) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3055) (-)

Ion 157.80 (157.50 to 158.50): VU024502.D (-3055) (-)

150000

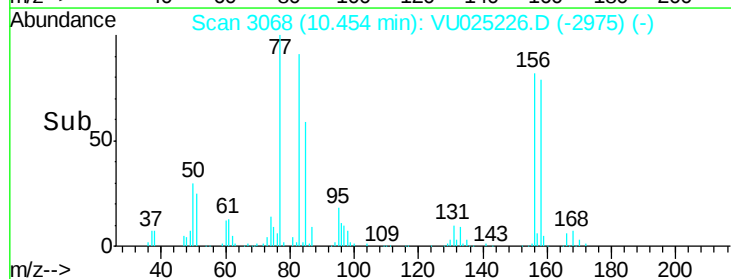
100000

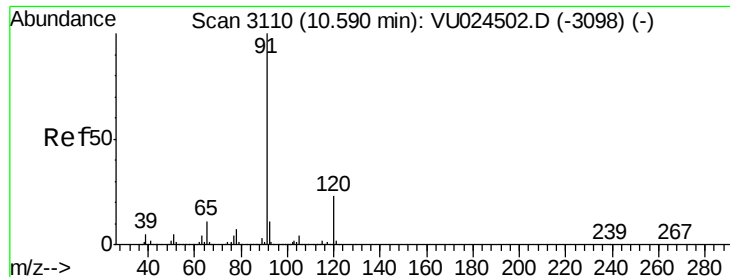
50000

0

10.40 10.45 10.50 10.55

Time-->





#78

n-propylbenzene

Concen: 51.60 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument:

MSVOA_U

ClientSampleId:

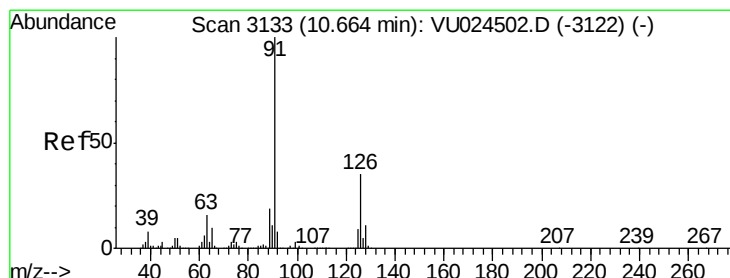
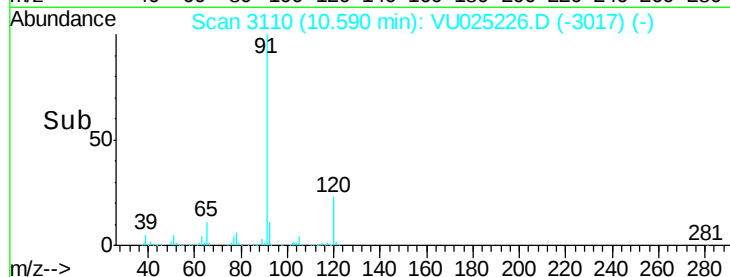
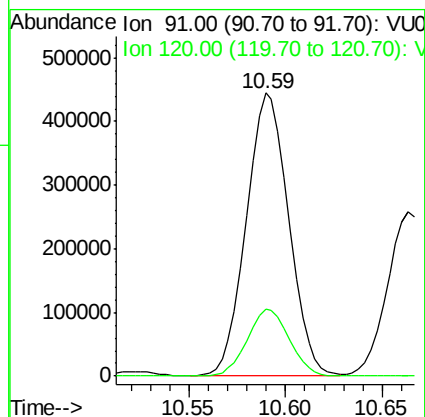
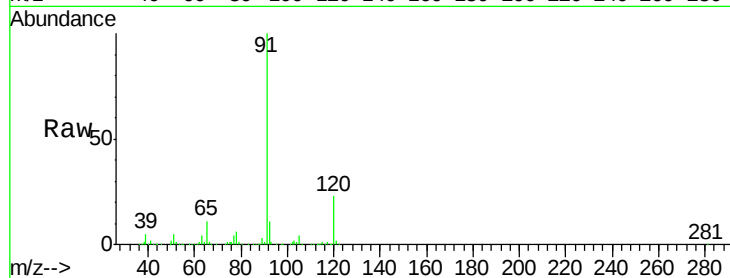
WP021MW472-180628MS

Tot Ion: 91 Resp: 675969

Ion Ratio Lower Upper

91 100

120 23.5 11.2 33.5



#79

2-Chlorotoluene

Concen: 51.64 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025226.D

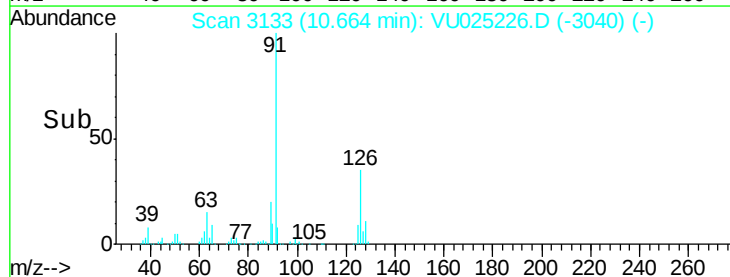
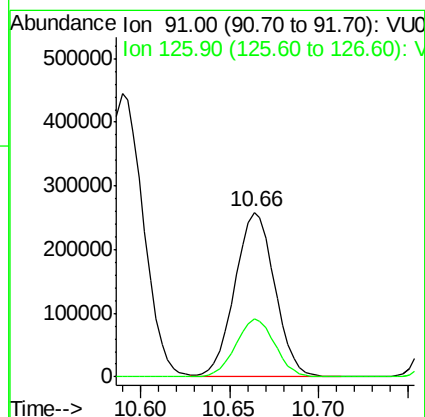
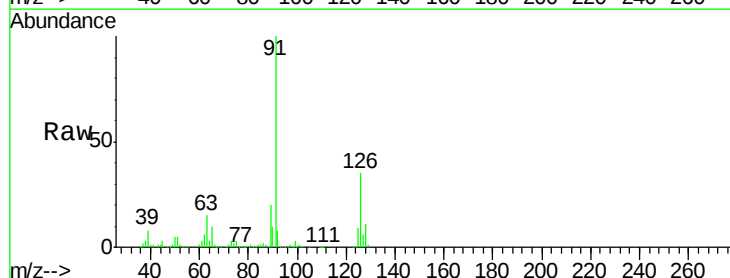
Acq: 05 Jul 2018 19:29

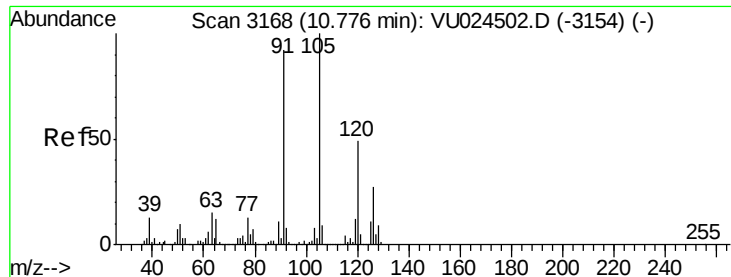
Tgt Ion: 91 Resp: 398882

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7





#80

1,3,5-Trimethylbenzene

Concen: 52.02 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

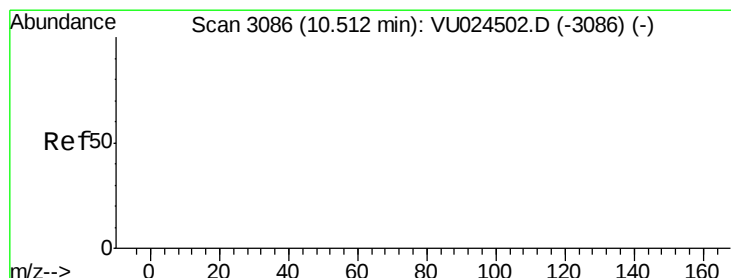
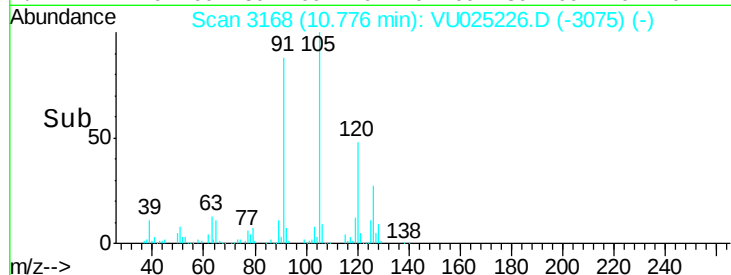
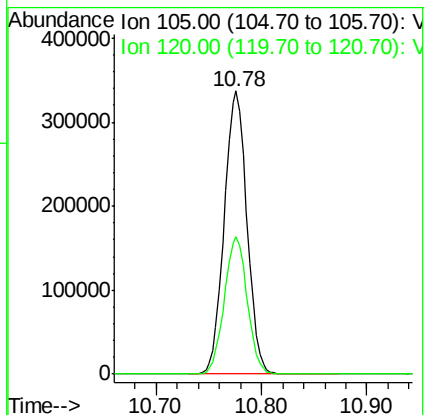
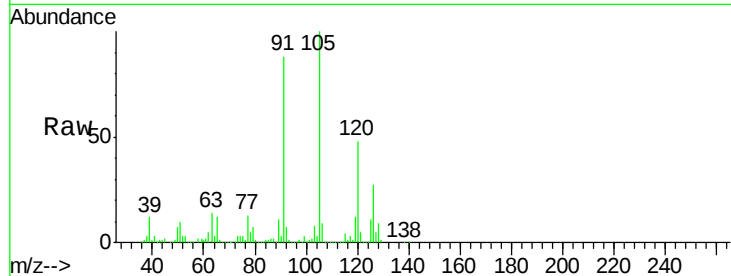
WP021MW472-180628MS

Tot Ion:105 Resp: 501394

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 171.54 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

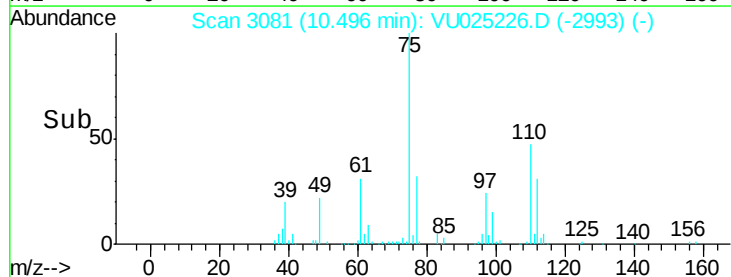
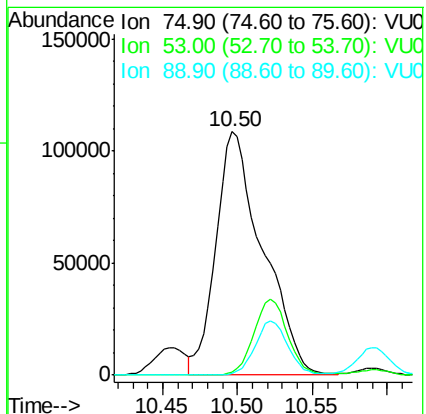
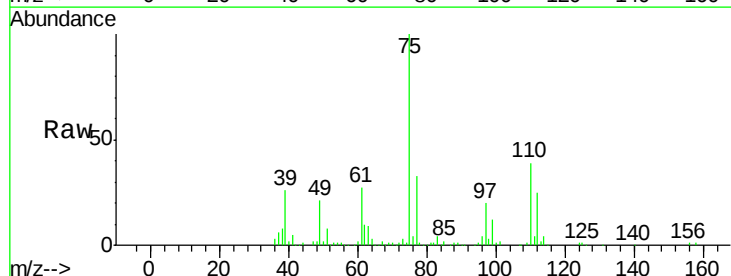
Tgt Ion: 75 Resp: 236347

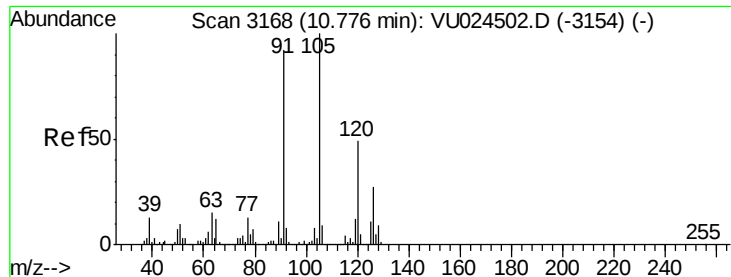
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 50.70 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

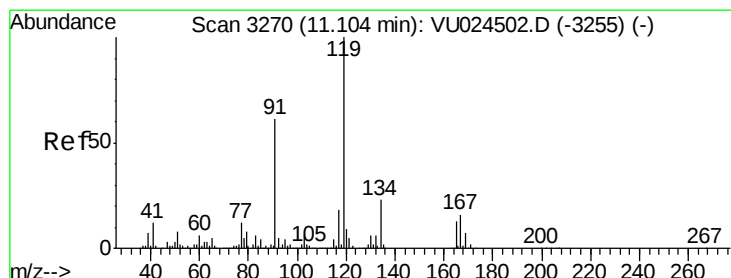
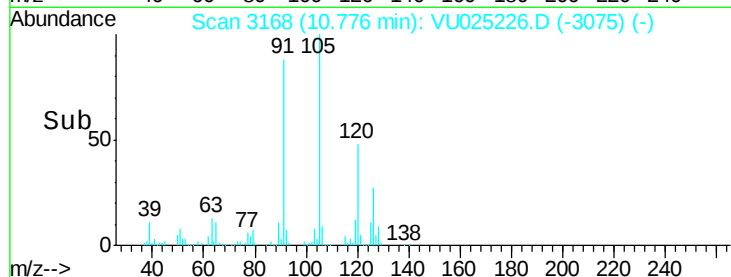
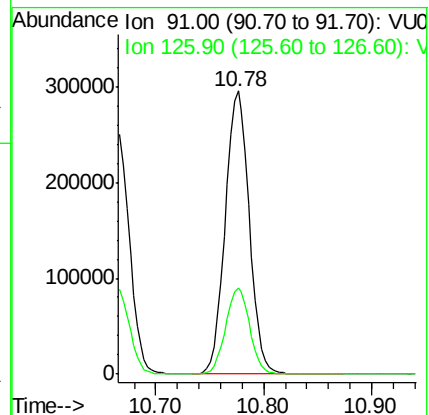
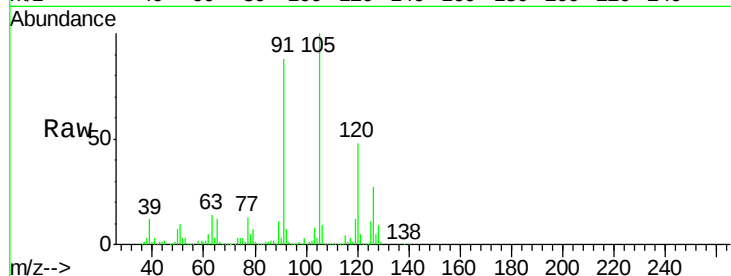
WP021MW472-180628MS

Tot Ion: 91 Resp: 455800

Ion Ratio Lower Upper

91 100

126 30.5 14.9 44.9



#83

tert-Butylbenzene

Concen: 60.31 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

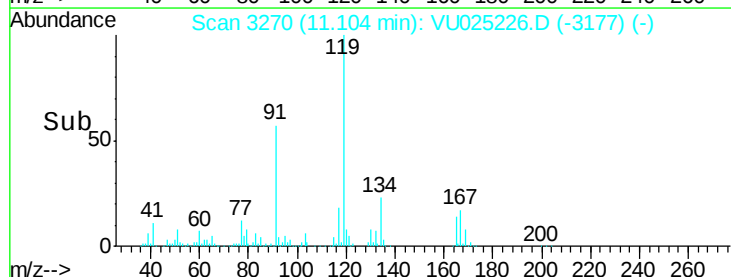
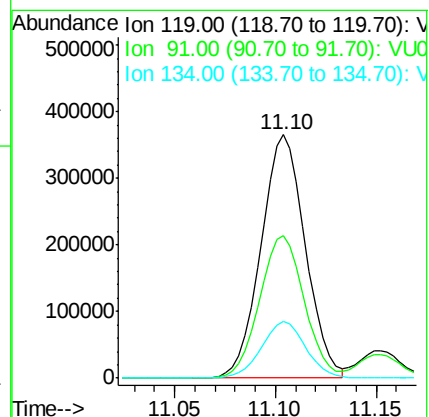
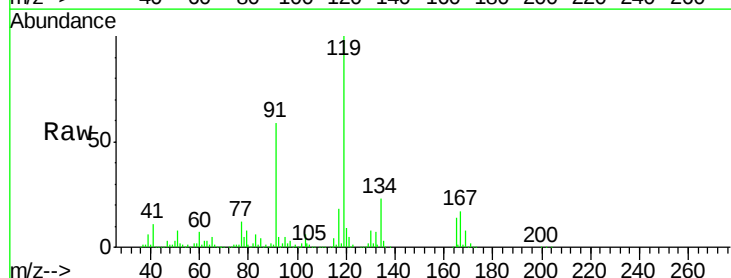
Tgt Ion: 119 Resp: 559092

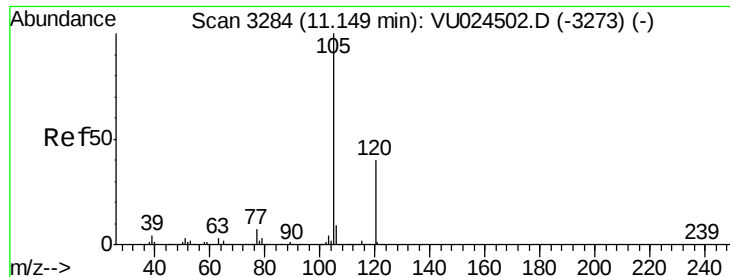
Ion Ratio Lower Upper

119 100

91 59.1 29.7 89.1

134 23.2 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 52.37 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

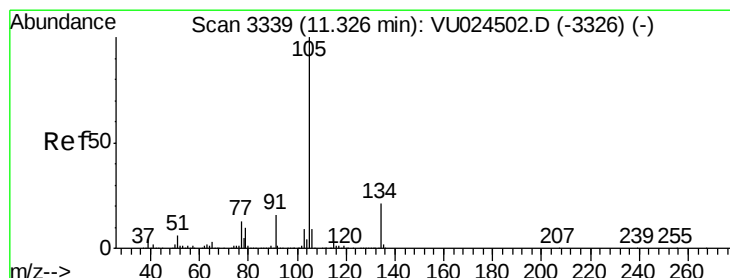
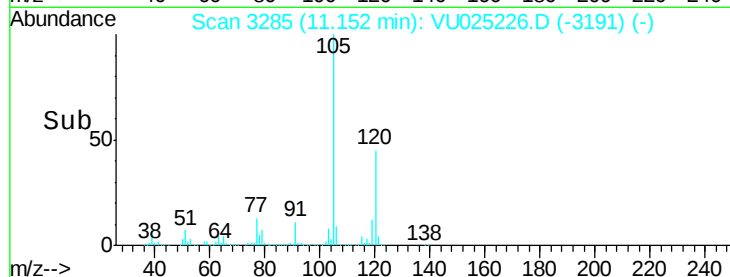
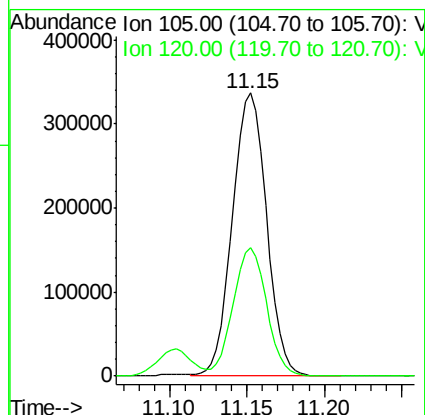
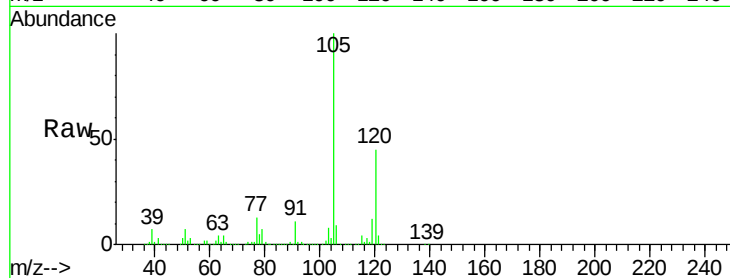
WP021MW472-180628MS

Tot Ion:105 Resp: 514426

Ion Ratio Lower Upper

105 100

120 44.6 22.6 67.8



#85

sec-Butylbenzene

Concen: 59.23 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025226.D

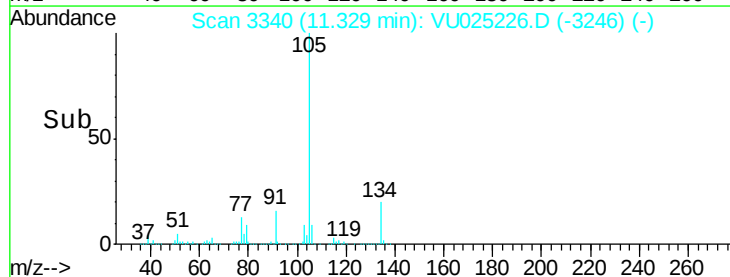
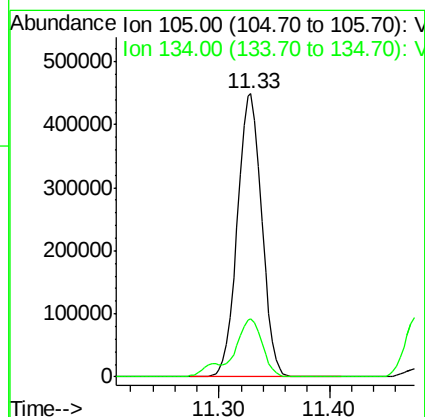
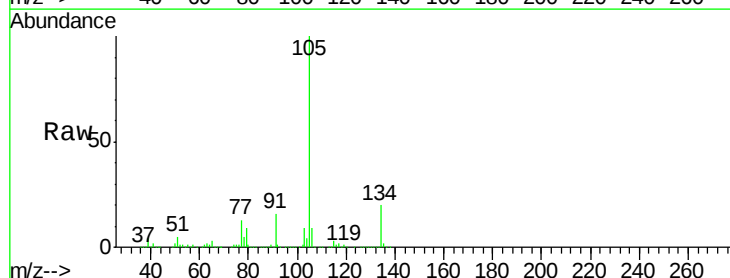
Acq: 05 Jul 2018 19:29

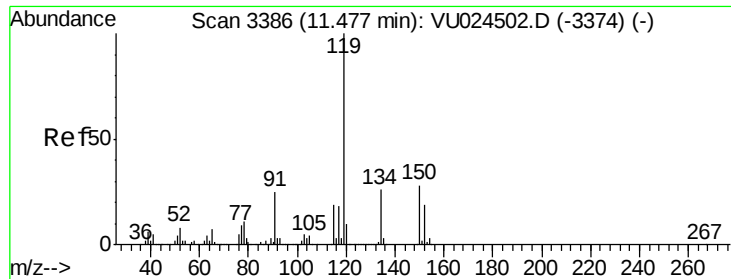
Tgt Ion:105 Resp: 687305

Ion Ratio Lower Upper

105 100

134 21.1 9.7 29.1

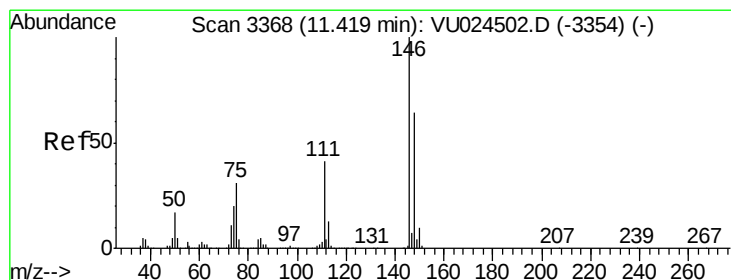
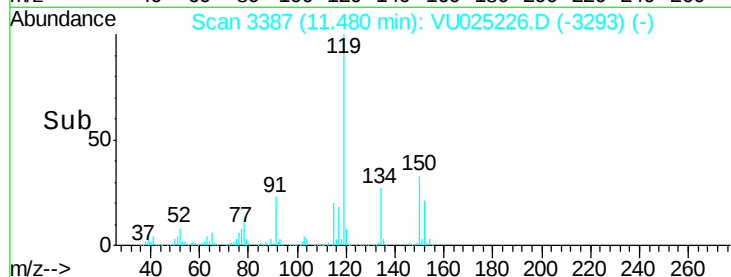
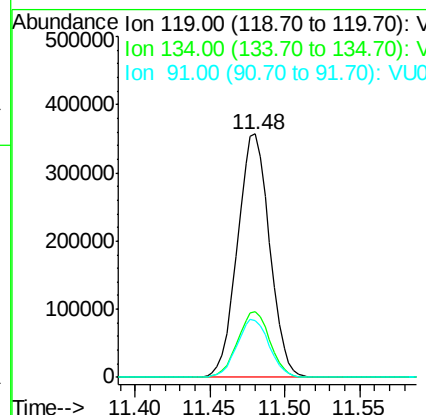
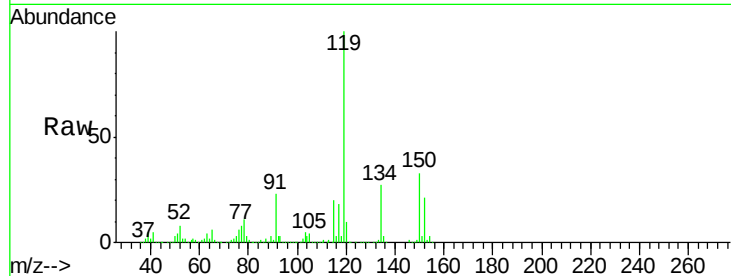




#86
 p-Isopropyltoluene
 Concen: 51.36 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

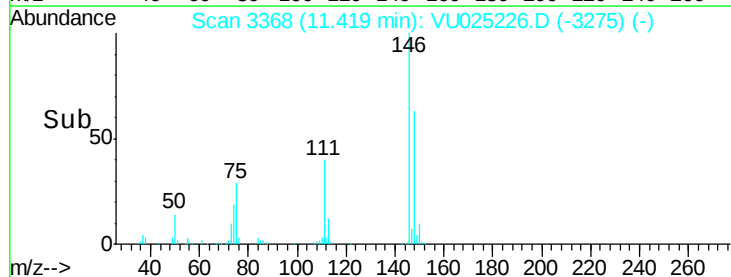
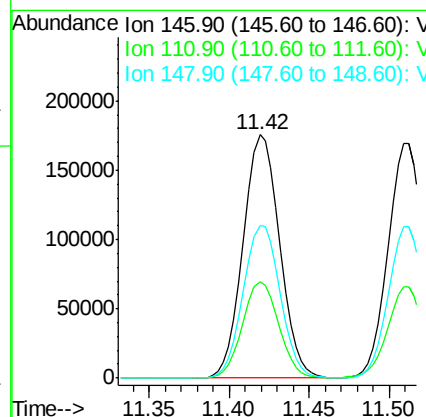
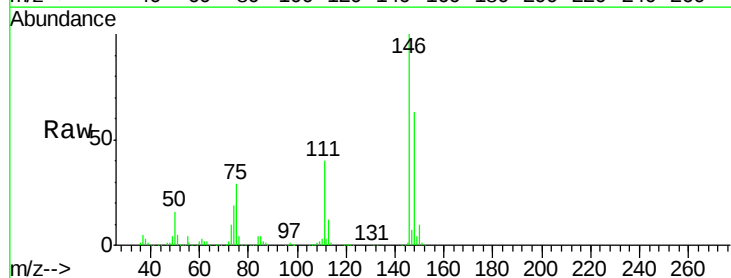
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

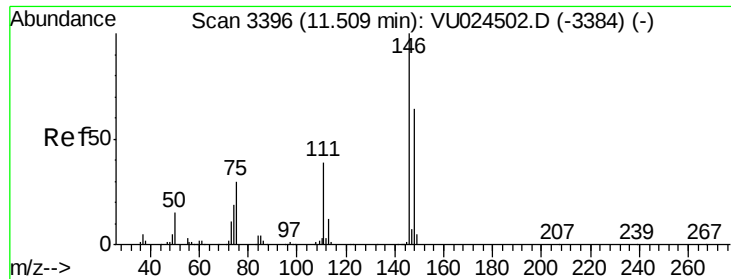
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.9	38.6
91	23.8	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 52.51 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.6	32.1	96.5

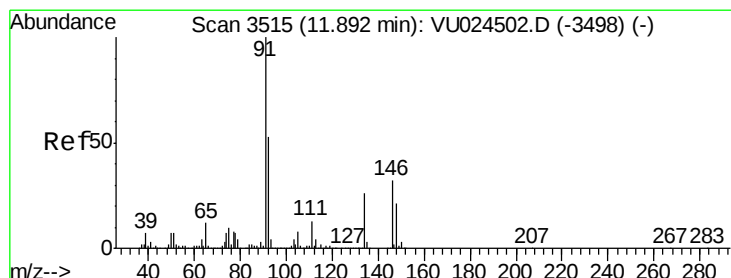
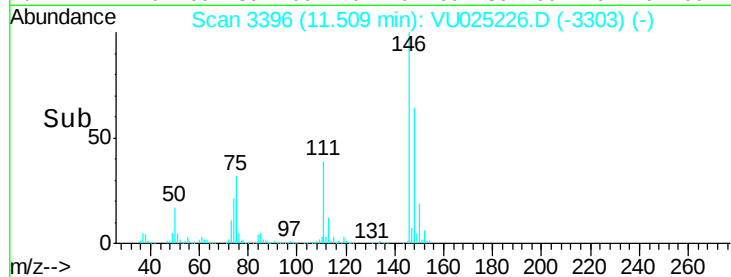
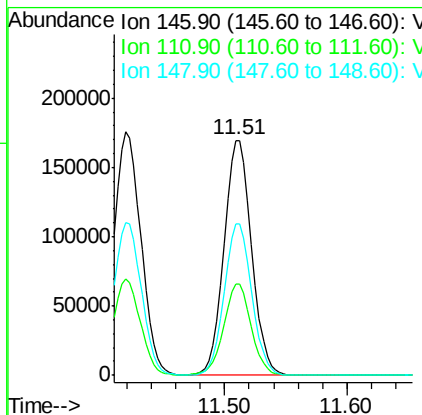
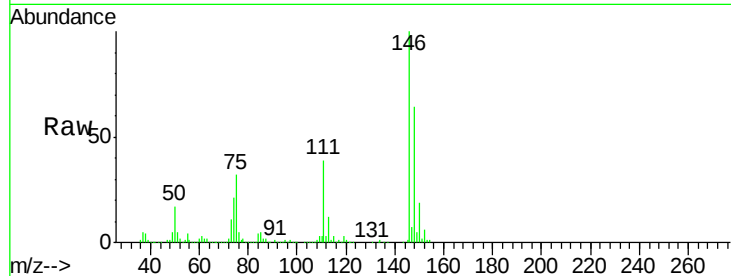




#88
 1,4-Dichlorobenzene
 Concen: 51.34 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

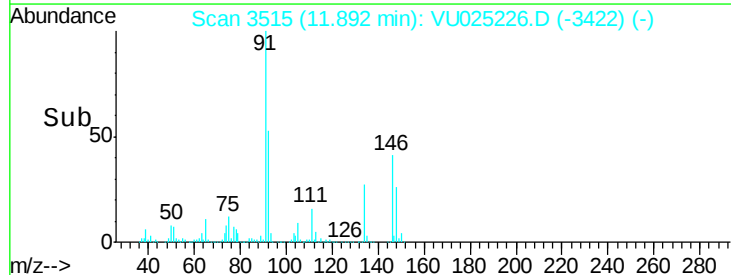
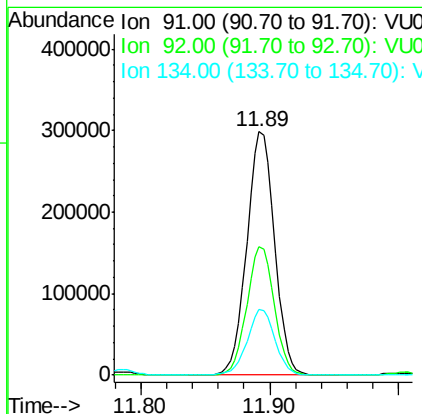
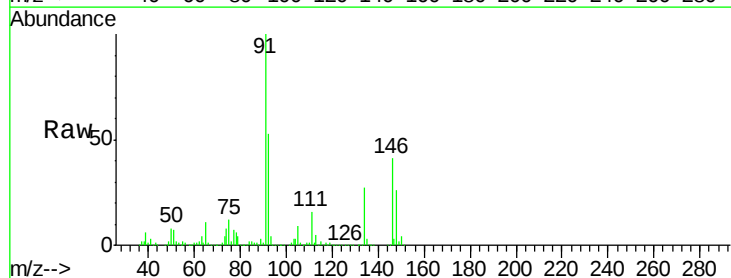
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

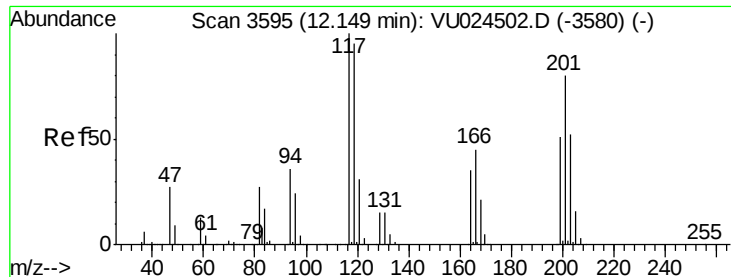
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.5	32.4	97.0



#89
 n-Butylbenzene
 Concen: 48.57 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.6	76.8
134	27.1	12.3	36.8





#90

Hexachloroethane

Concen: 48.61 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

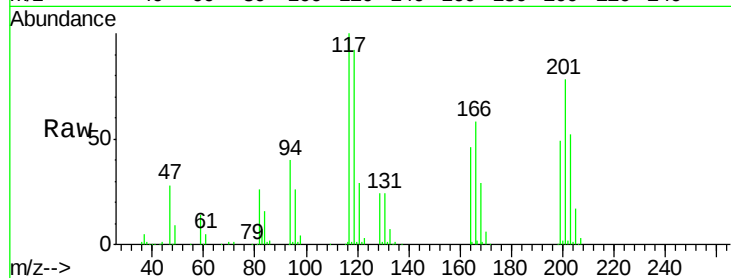
WP021MW472-180628MS

Tot Ion:117 Resp: 98559

Ion Ratio Lower Upper

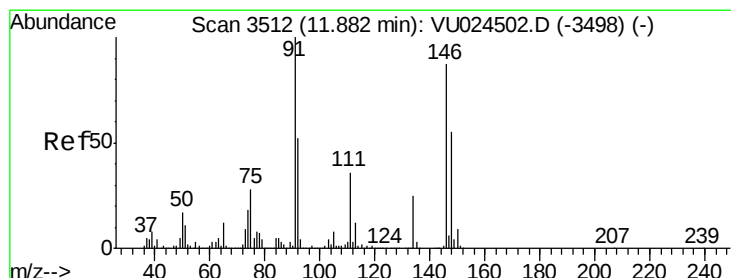
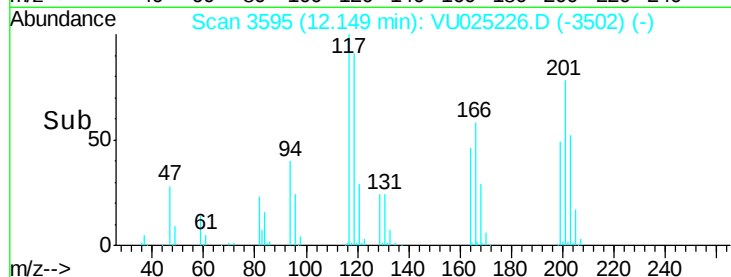
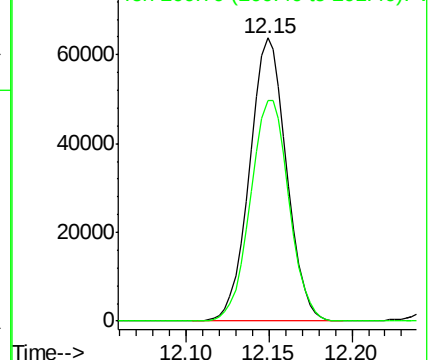
117 100

201 81.9 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: 53.95 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

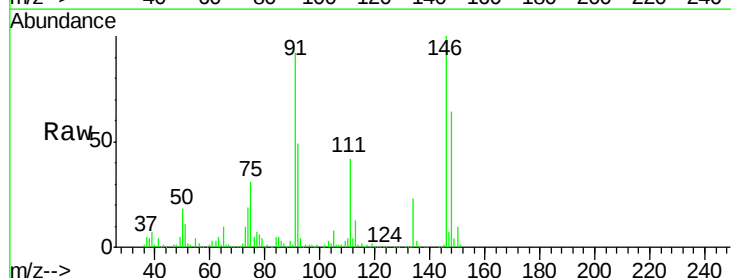
Tgt Ion:146 Resp: 281061

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

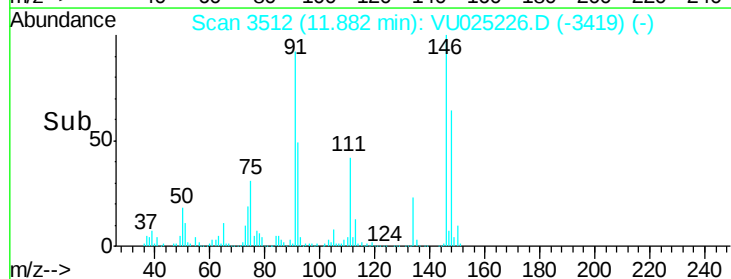
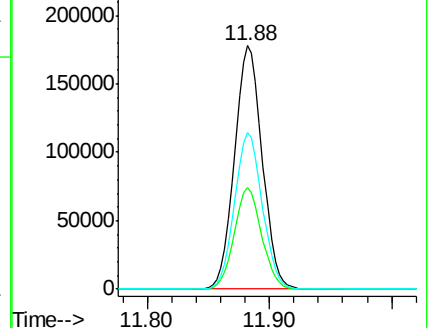
148 64.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.92 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

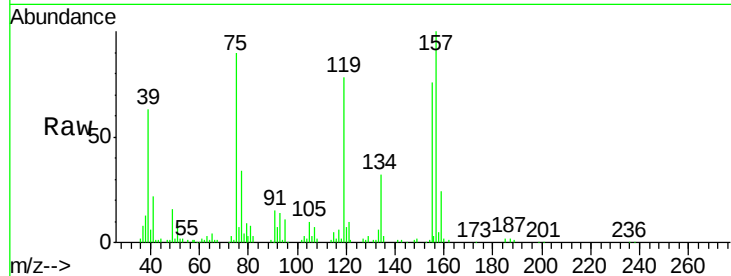
Tot Ion: 75 Resp: 55443

Ion	Ratio	Lower	Upper
75	100		
155	84.4	40.4	121.2
157	110.1	52.3	156.8

75 100

155 84.4 40.4 121.2

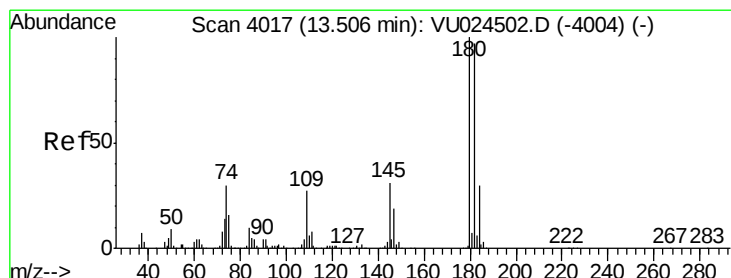
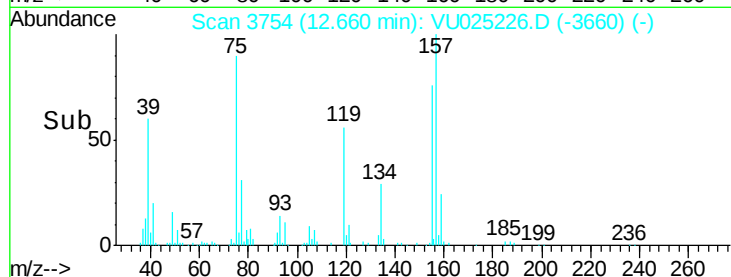
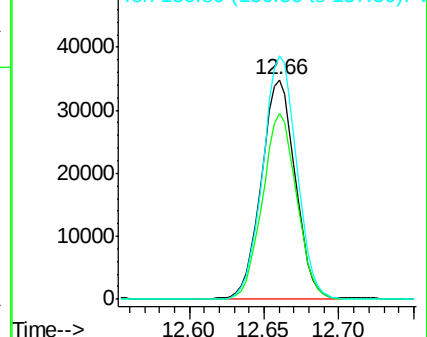
157 110.1 52.3 156.8



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 54.56 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

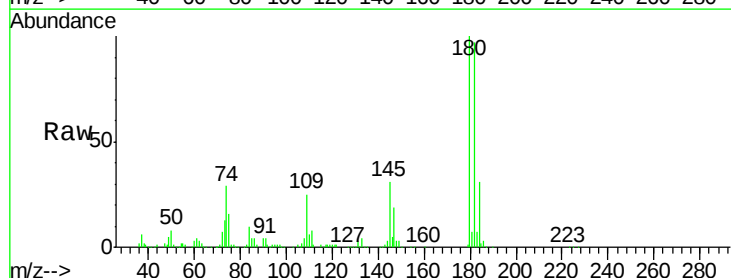
Tgt Ion: 180 Resp: 175505

Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.0	144.2
145	31.0	14.7	44.1

180 100

182 97.7 48.0 144.2

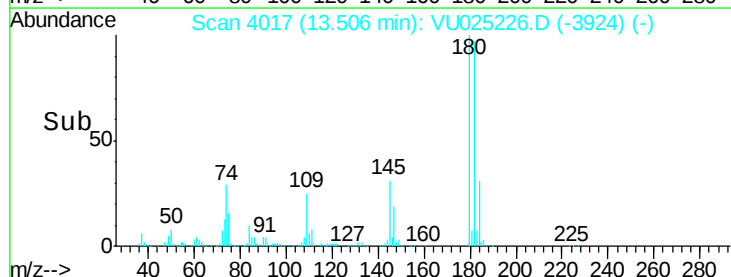
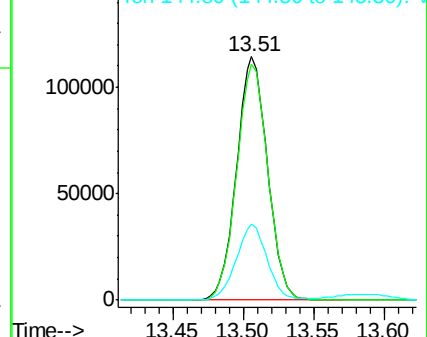
145 31.0 14.7 44.1

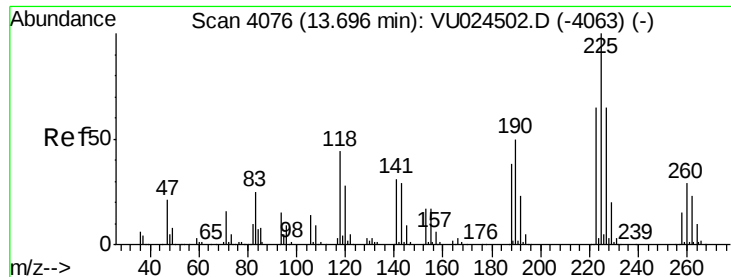


Abundance Ion 179.80 (179.50 to 180.50): VU024502.D (-4004) (-)

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

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





#94

Hexachlorobutadiene

Concen: 51.77 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628MS

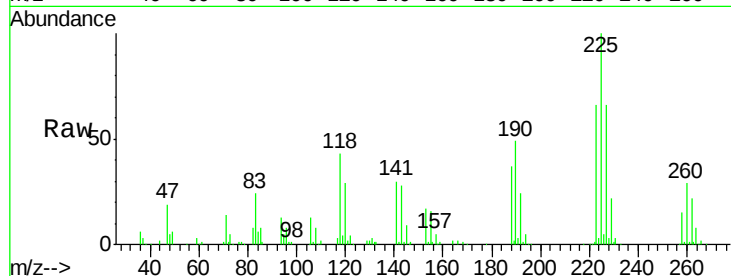
Tot Ion:225 Resp: 93744

Ion Ratio Lower Upper

225 100

223 65.1 31.3 93.8

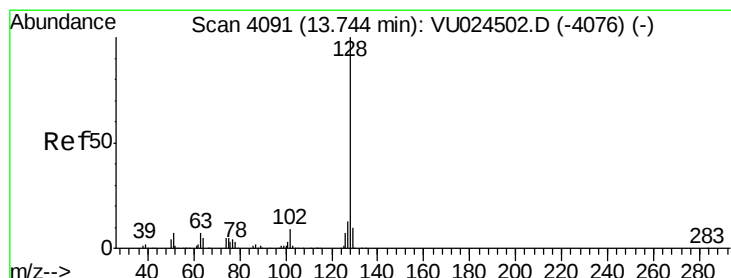
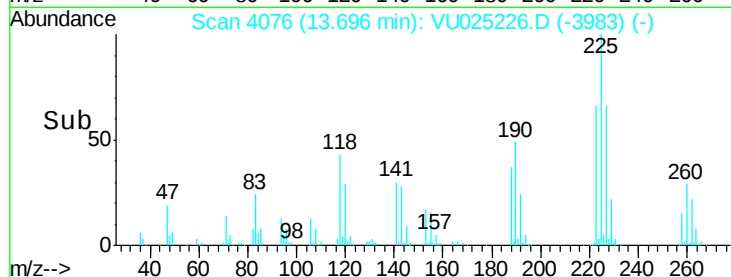
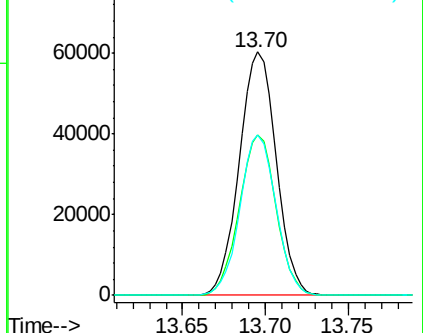
227 64.1 31.8 95.4



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: 57.36 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025226.D

Acq: 05 Jul 2018 19:29

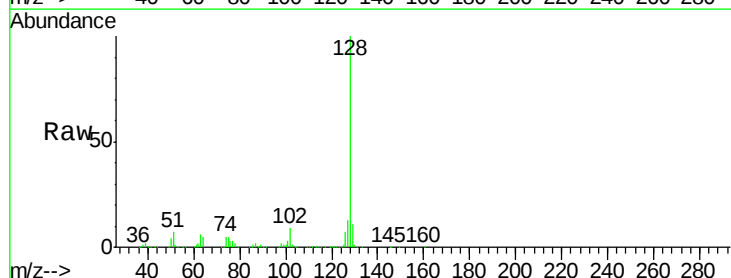
Tgt Ion:128 Resp: 611932

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

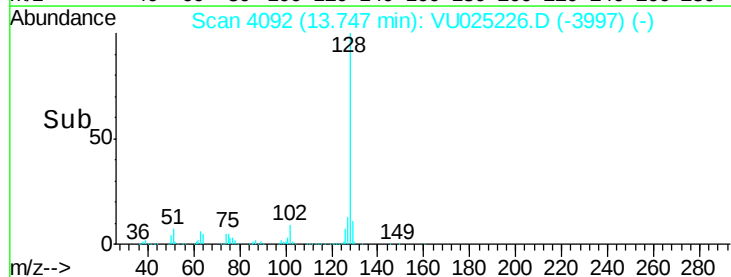
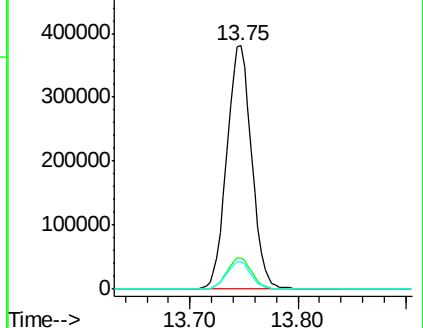
129 11.2 8.6 12.8

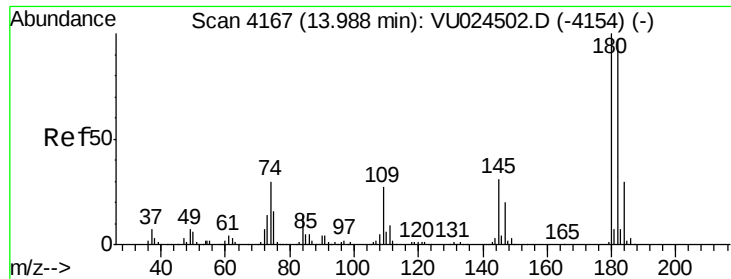


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

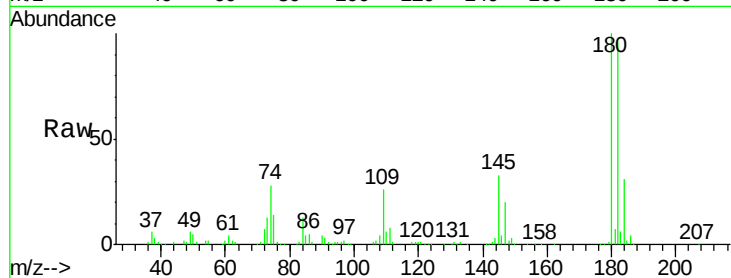




#96
 1,2,3-Trichlorobenzene
 Concen: 58.58 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025226.D
 Acq: 05 Jul 2018 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	33.2	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

