

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025668.D
 Acq On : 27 Jul 2018 14:48
 Operator : MD/SY
 Sample : J3762-09 MDL 0.2PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:42 PM

Quant Time: Jul 30 13:25:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	158800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	241772	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	229645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131893	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	129322	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	4.89	113	104568	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	7.57	98	361087	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	10.31	95	130882	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	522	0.22	ug/l	77
3) Chloromethane	1.33	50	541	0.24	ug/l	95
4) Vinyl Chloride	1.40	62	506	0.23	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.29	101	605	0.33	ug/l #	64
12) 1,1-Dichloroethene	2.28	96	413	0.24	ug/l #	85
14) Allyl chloride	2.59	41	806	0.26	ug/l #	88
15) Acrylonitrile	2.95	53	1004	0.93	ug/l #	84
16) Acetone	2.33	43	1897	1.57	ug/l	95
17) Carbon Disulfide	2.48	76	2964	0.54	ug/l #	89
20) Methylene Chloride	2.70	84	618	0.29	ug/l #	78
21) trans-1,2-Dichloroethene	2.98	96	722	0.37	ug/l #	80
23) Vinyl Acetate	3.54	43	5059	0.96	ug/l #	93
25) 2-Butanone	4.27	43	1121	0.68	ug/l	95
29) Tetrahydrofuran	4.64	42	445	0.45	ug/l #	84
31) Cyclohexane	4.99	56	3354	Below Cal	#	7
36) 1,1-Dichloropropene	4.99	75	11376	4.03	ug/l #	49
39) Methylcyclohexane	6.42	83	918	0.28	ug/l	92
40) Benzene	5.40	78	1677	0.20	ug/l #	82
44) Trichloroethene	6.19	130	666	0.29	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	2660	0.88	ug/l	93
52) Toluene	7.65	92	1055m	0.21	ug/l	
57) 1,3-Dichloropropane	8.25	76	738	0.21	ug/l #	72
58) 2-Chloroethyl Vinyl ether	7.14	63	932	7.73	ug/l	92
59) 2-Hexanone	8.37	43	2309	0.97	ug/l	80
64) Tetrachloroethene	8.24	164	524m	0.26	ug/l	
65) Chlorobenzene	9.12	112	1424	0.24	ug/l	95
67) Ethyl Benzene	9.26	91	2508	0.26	ug/l	96
68) m/p-Xylenes	9.38	106	1739	0.46	ug/l	98
70) Styrene	9.80	104	1308	0.22	ug/l #	84
73) Isopropylbenzene	10.17	105	1973	0.22	ug/l	91
74) N-amyl acetate	10.02	43	852	0.23	ug/l #	60
77) Bromobenzene	10.46	156	611	0.25	ug/l	76
78) n-propylbenzene	10.59	91	3034	0.29	ug/l	99
79) 2-Chlorotoluene	10.66	91	1614	0.26	ug/l	87

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.78	105	1772	0.23	ug/l	98
82) 4-Chlorotoluene	10.78	91	1971	0.27	ug/l	93
85) sec-Butylbenzene	11.33	105	2197	0.24	ug/l	94
86) p-Isopropyltoluene	11.48	119	2035	0.25	ug/l #	82
87) 1,3-Dichlorobenzene	11.42	146	1582	0.34	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	1995m	0.42	ug/l	
89) n-Butylbenzene	11.90	91	2149	0.28	ug/l	86
91) 1,2-Dichlorobenzene	11.89	146	1270	0.28	ug/l	93
93) 1,2,4-Trichlorobenzene	13.52	180	895	0.29	ug/l	86
94) Hexachlorobutadiene	13.69	225	366	0.23	ug/l	77
95) Naphthalene	13.76	128	1378	1.39	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.00	180	864	0.28	ug/l	80

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

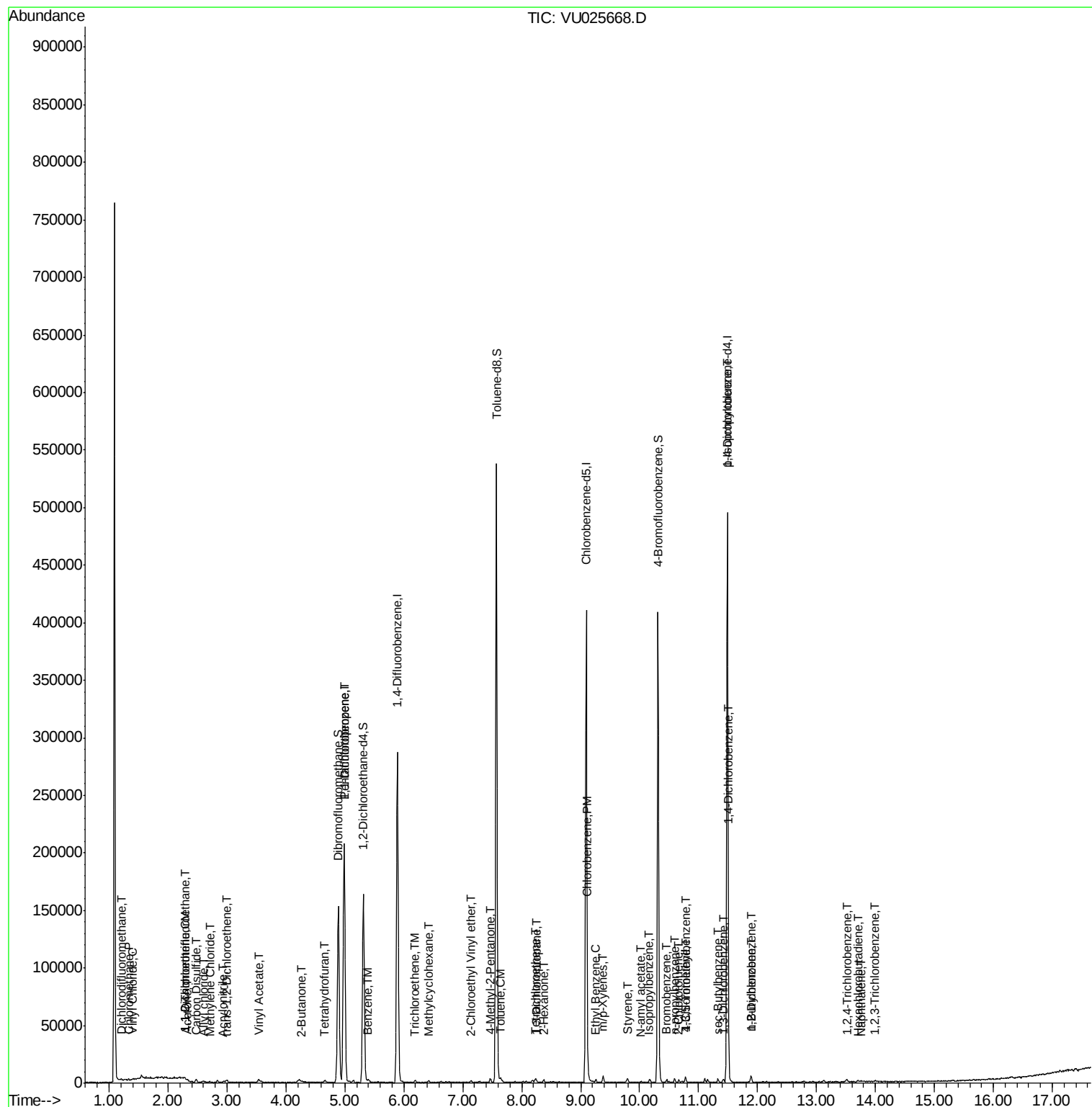
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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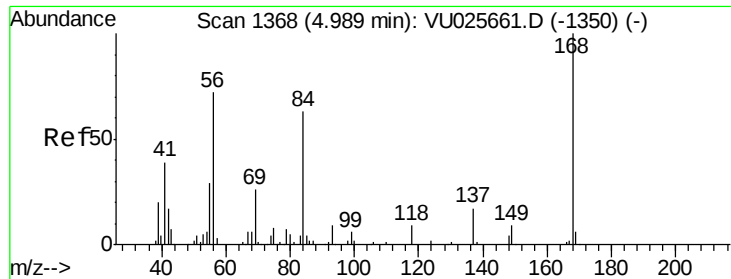
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:168 Resp: 158800

Ion Ratio Lower Upper

168 100

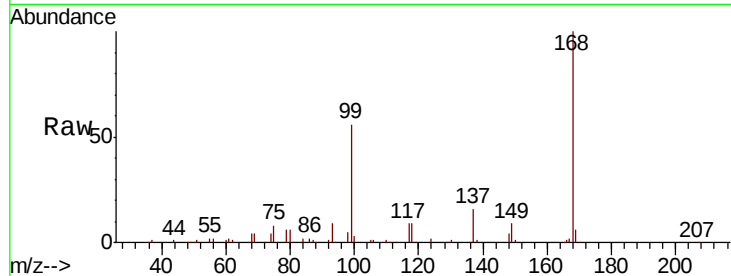
99 56.3 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

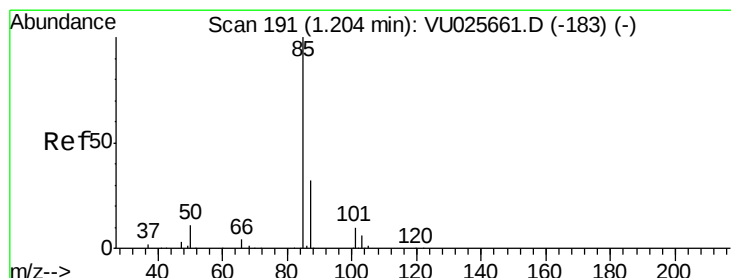
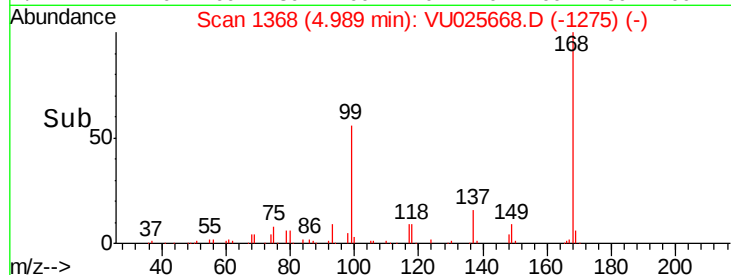
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.22 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025668.D

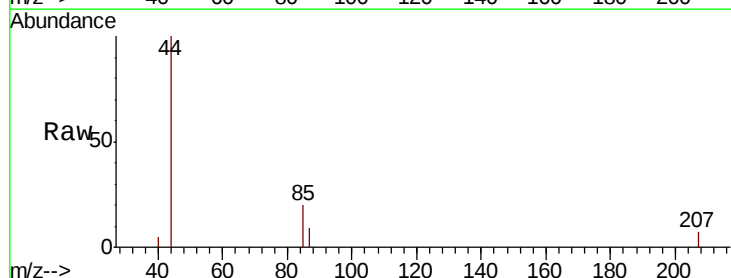
Acq: 27 Jul 2018 14:48

Tgt Ion: 85 Resp: 522

Ion Ratio Lower Upper

85 100

87 46.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025668.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025668.D (-98) (-)

1.21

600

500

400

300

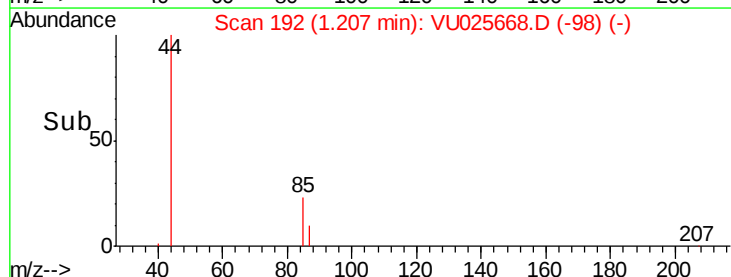
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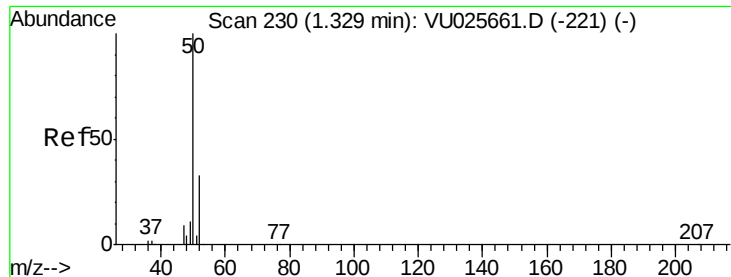
100

0

1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 50 Resp: 541

Ion Ratio Lower Upper

50 100

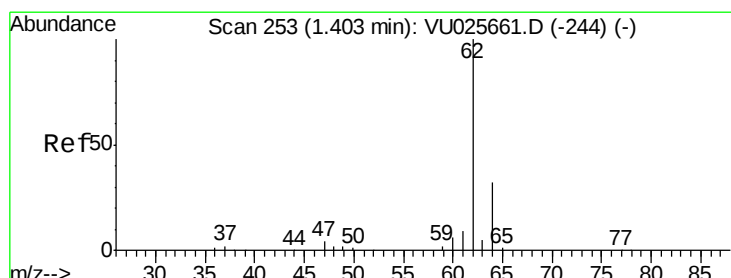
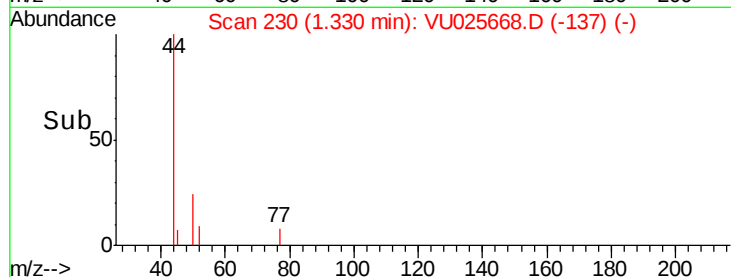
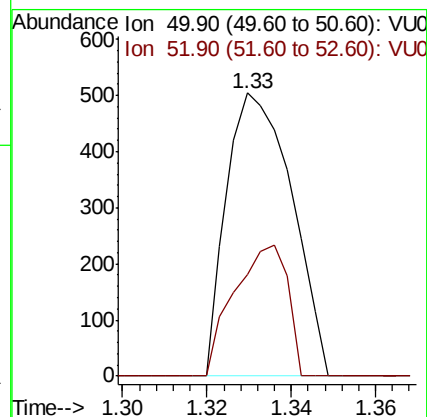
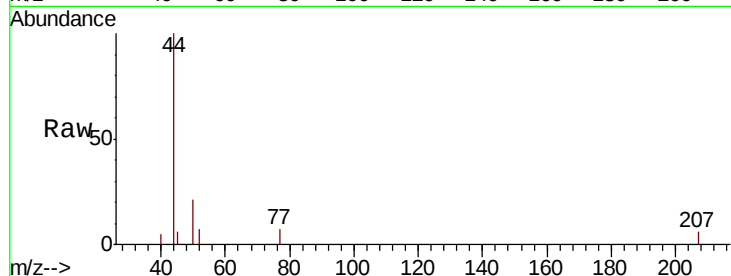
52 35.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 0.23 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025668.D

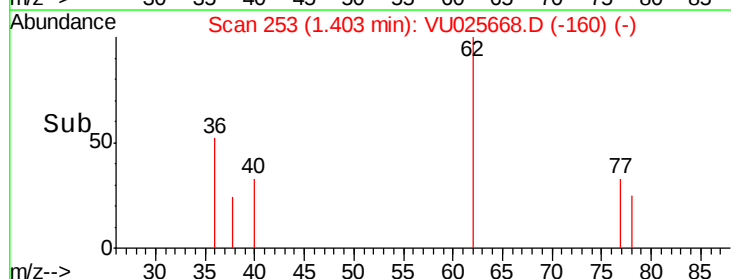
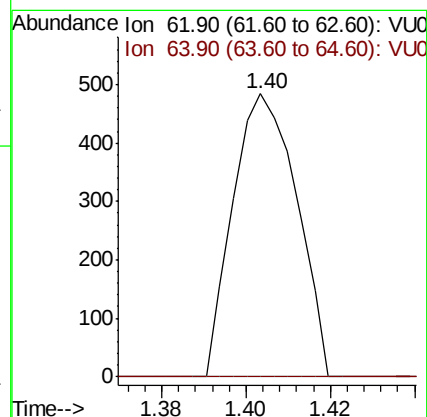
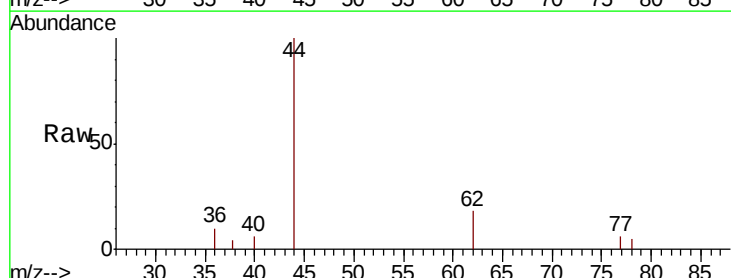
Acq: 27 Jul 2018 14:48

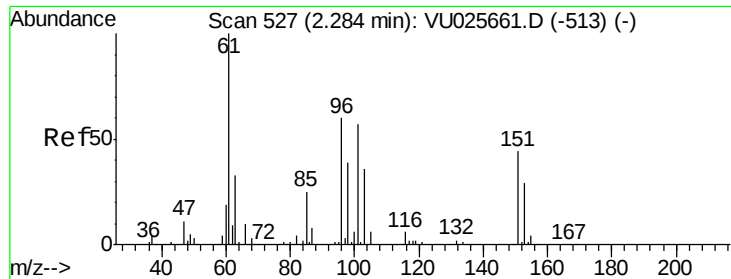
Tgt Ion: 62 Resp: 506

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.33 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

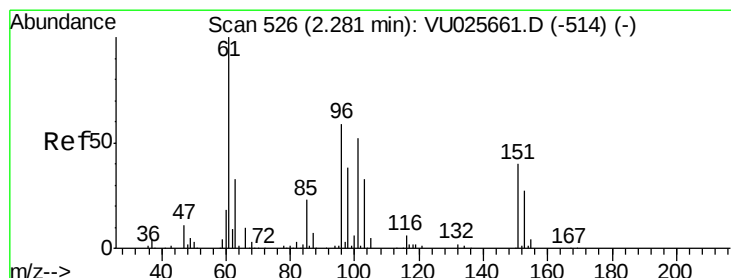
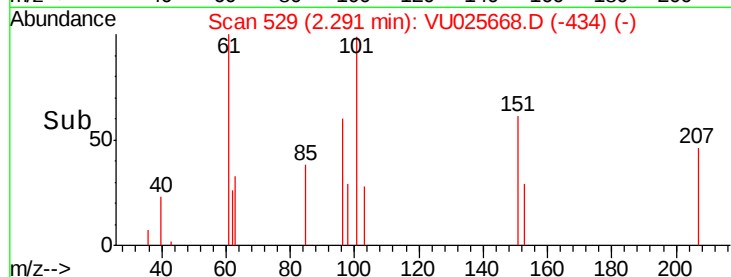
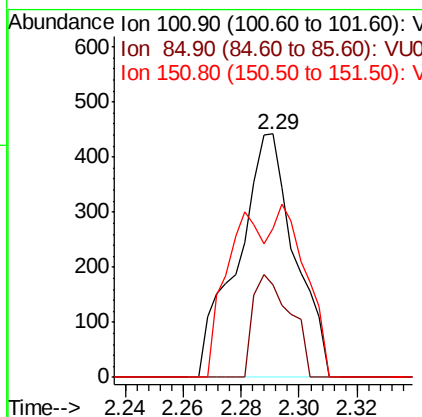
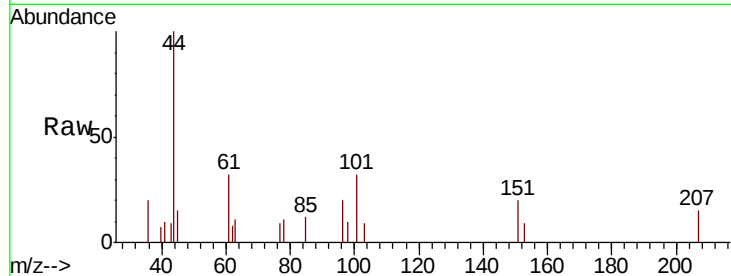
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:	101	Resp:	605
Ion Ratio	Lower	Upper	
101	100		
85	27.3	36.0	54.0#
151	45.1	65.6	98.4#

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#12

1,1-Dichloroethene

Concen: 0.24 ug/l

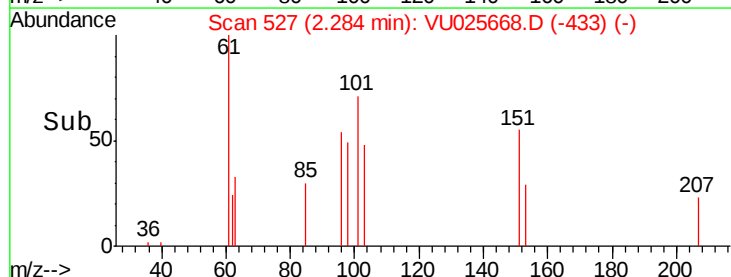
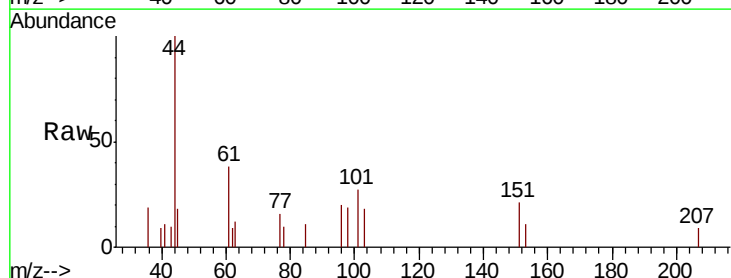
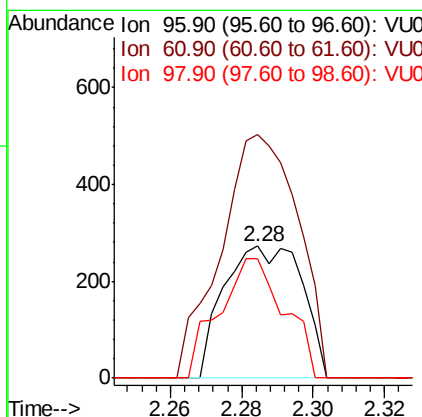
RT: 2.28 min Scan# 527

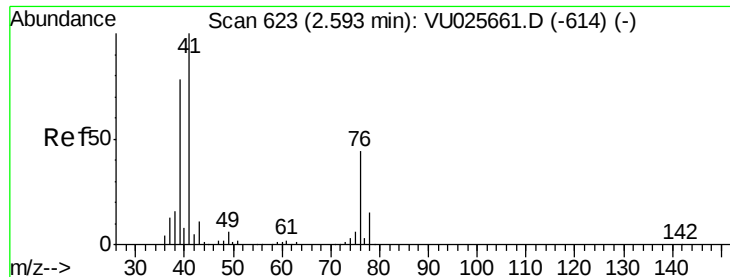
Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Tgt Ion:	96	Resp:	413
Ion Ratio	Lower	Upper	
96	100		
61	184.9	140.2	210.4
98	91.2	49.3	73.9#





#14

Allvl chloride

Concen: 0.26 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

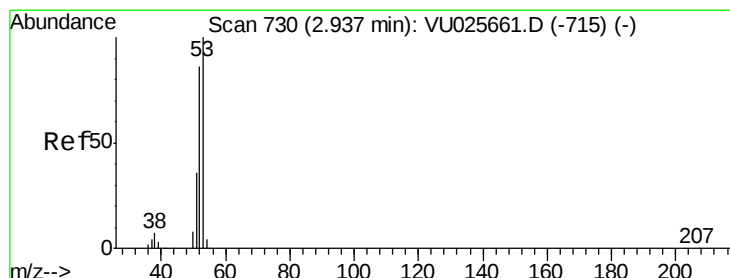
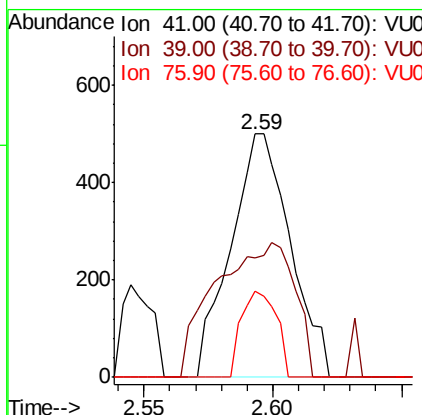
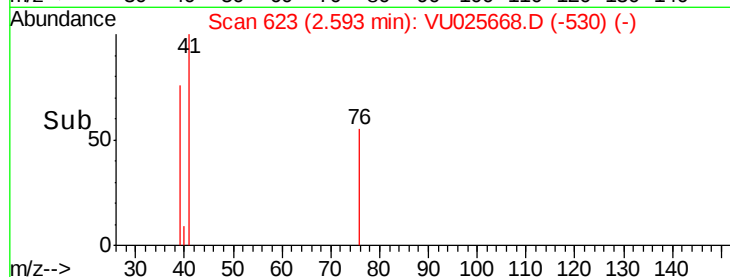
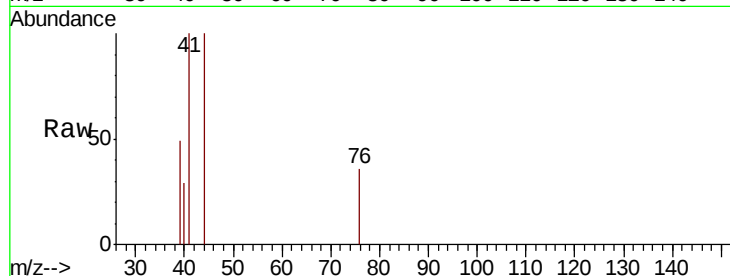
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:	41	Resp:	806
Ion Ratio	Lower	Upper	
41	100		
39	73.4	60.6	91.0
76	20.6	30.5	45.7#

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#15

Acrylonitrile

Concen: 0.93 ug/l

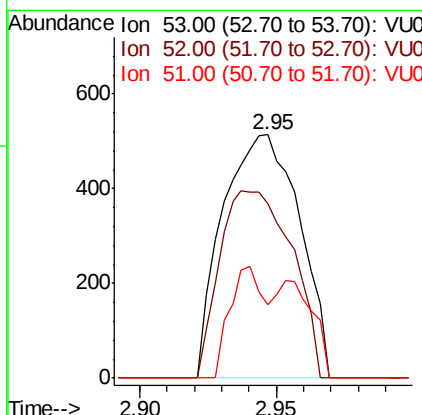
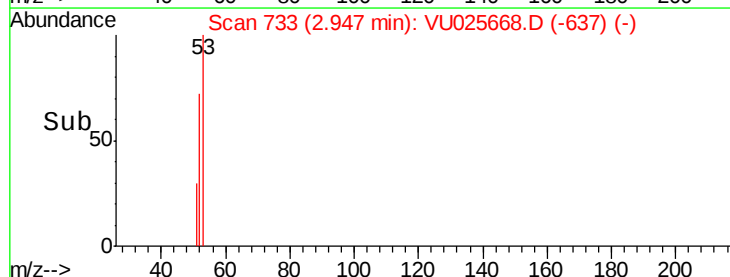
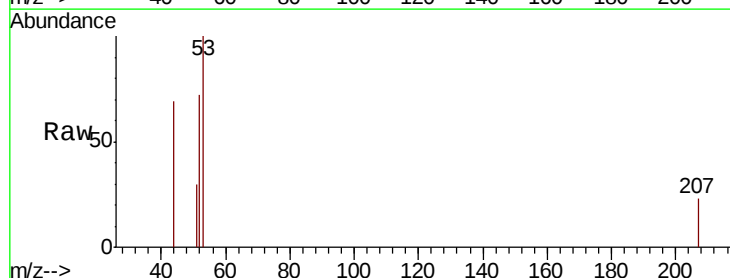
RT: 2.95 min Scan# 733

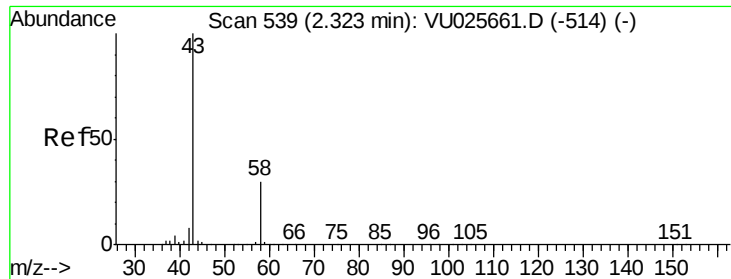
Delta R.T. 0.01 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Tgt Ion:	53	Resp:	1004
Ion Ratio	Lower	Upper	
53	100		
52	72.6	66.6	99.8
51	20.7	29.4	44.2#





#16

Acetone

Concen: 1.57 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

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ClientSampleId :

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Tot Ion: 43 Resp: 1897

Ion Ratio Lower Upper

43 100

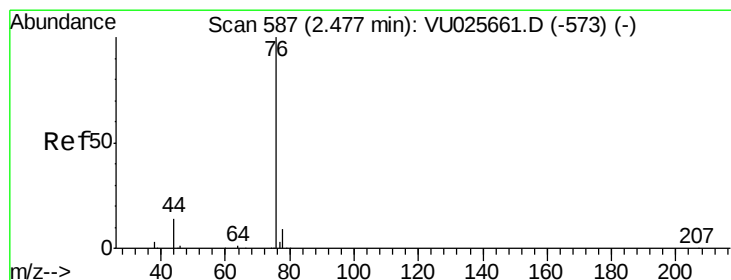
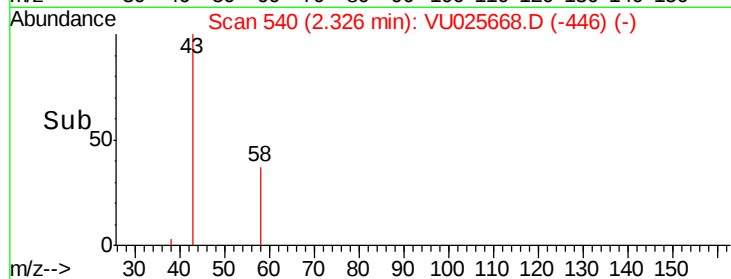
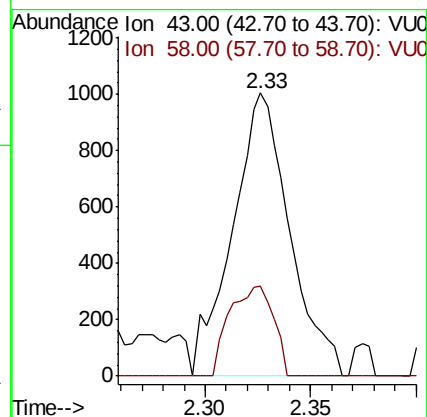
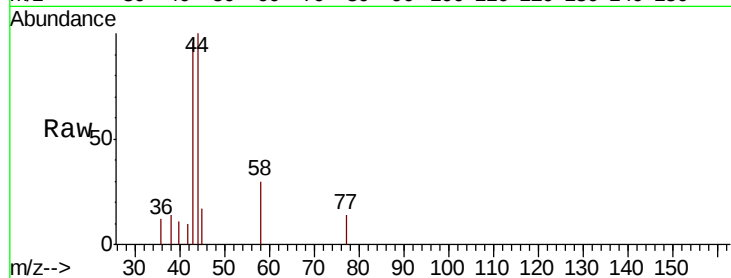
58 31.7 23.1 34.7

Manual Integrations

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#17

Carbon Disulfide

Concen: 0.54 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025668.D

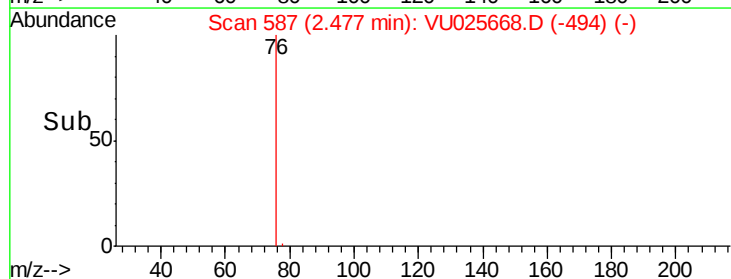
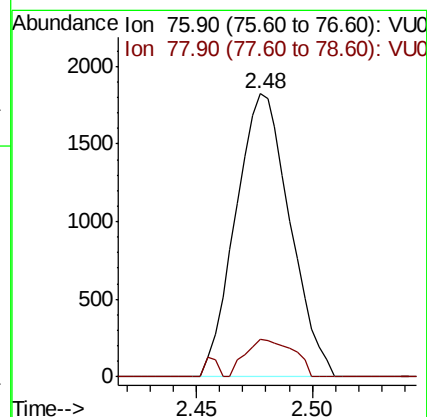
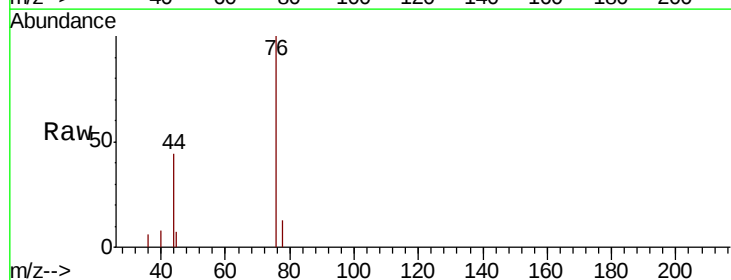
Acq: 27 Jul 2018 14:48

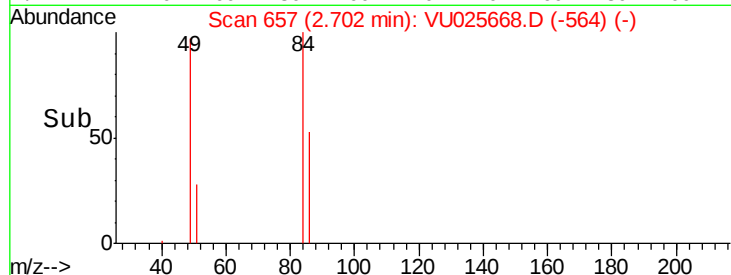
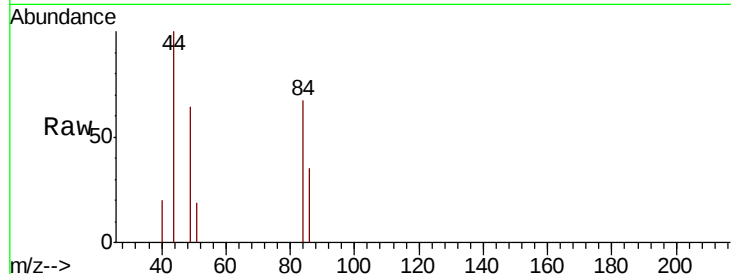
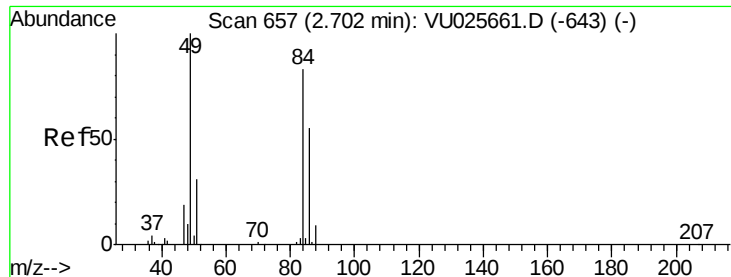
Tgt Ion: 76 Resp: 2964

Ion Ratio Lower Upper

76 100

78 13.3 7.4 11.2#





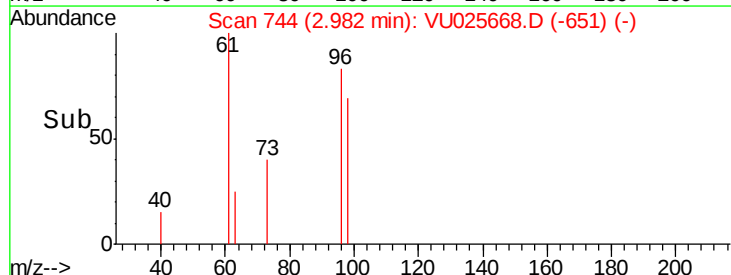
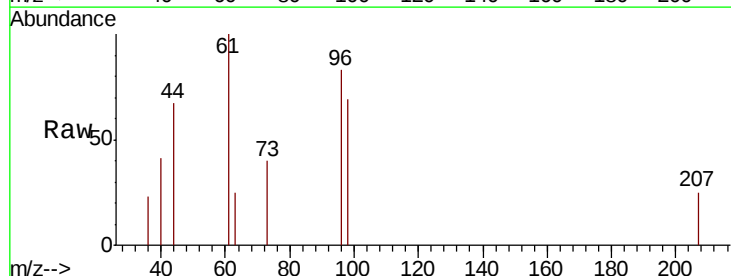
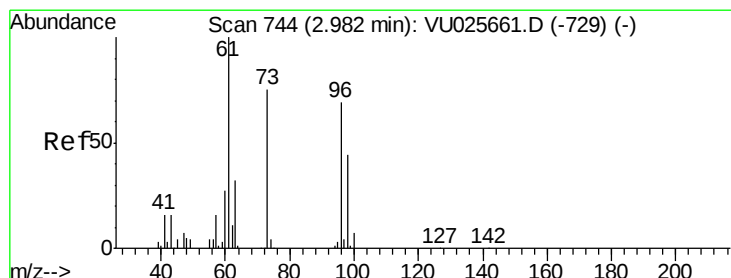
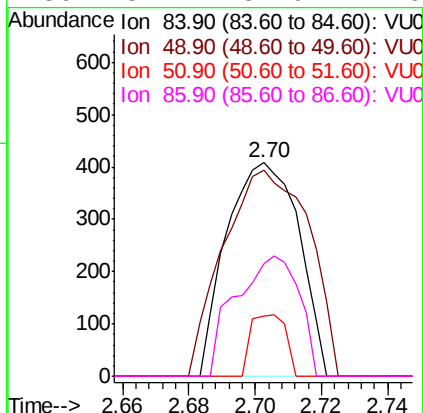
#20
Methvlene Chloride
Concen: 0.29 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tot Ion	Ratio	Lower	Upper
84	100		
49	96.6	101.8	152.6#
51	28.2	30.8	46.2#
86	52.7	51.9	77.9

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

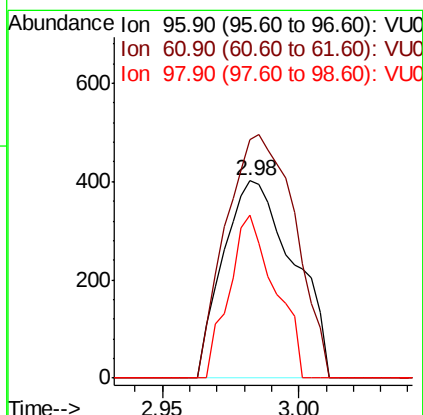
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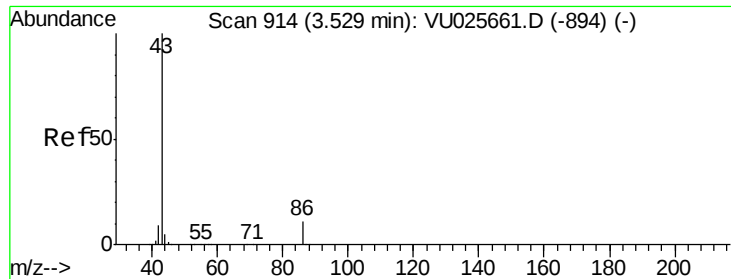
MMDadoda
7/31/2018 3:48:42 PM



#21
trans-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.9	114.5	171.7
98	83.0	50.5	75.7#





#23

Vinyl Acetate

Concen: 0.96 ug/l

RT: 3.54 min Scan# 917

Delta R.T. 0.01 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 5059

Ion Ratio Lower Upper

43 100

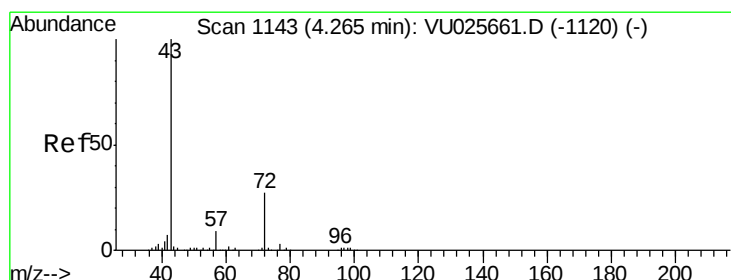
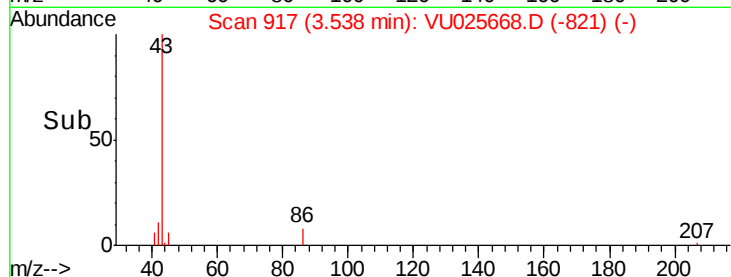
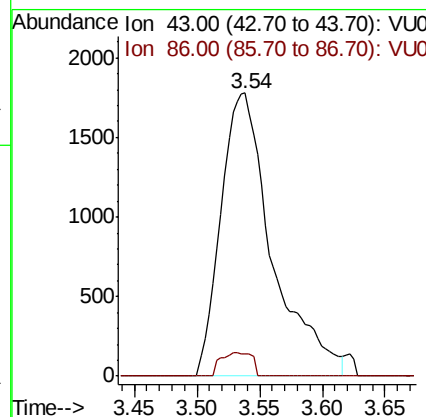
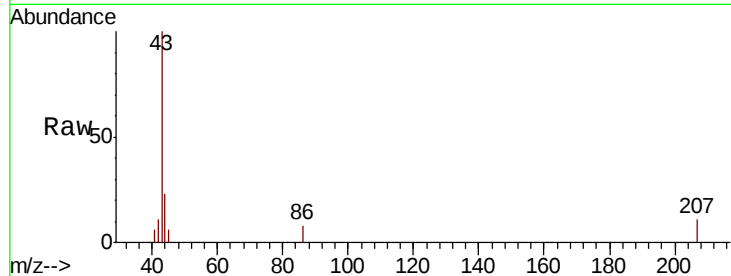
86 7.8 8.2 12.2#

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#25

2-Butanone

Concen: 0.68 ug/l

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025668.D

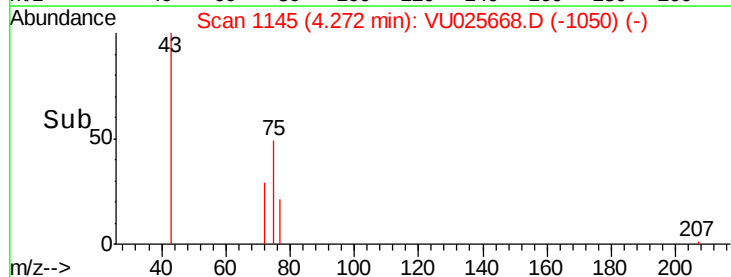
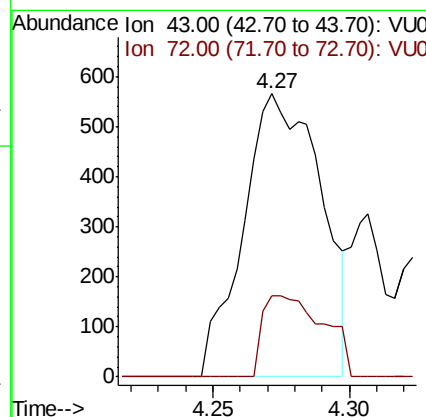
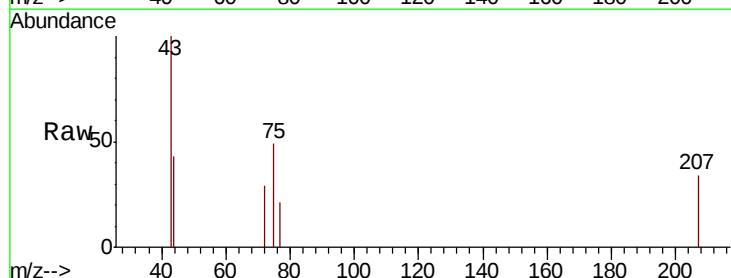
Acq: 27 Jul 2018 14:48

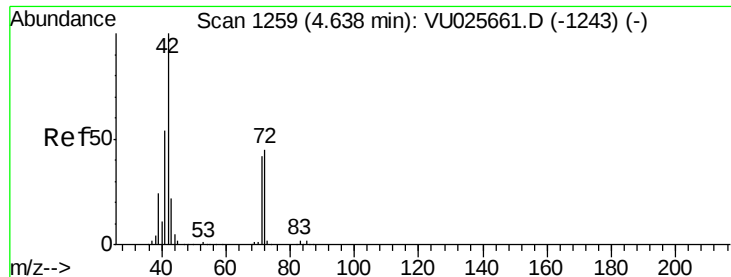
Tgt Ion: 43 Resp: 1121

Ion Ratio Lower Upper

43 100

72 28.6 21.0 31.4





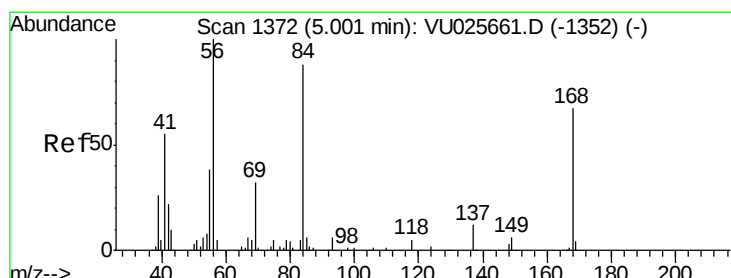
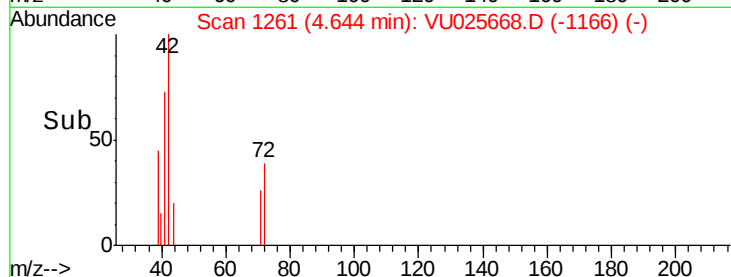
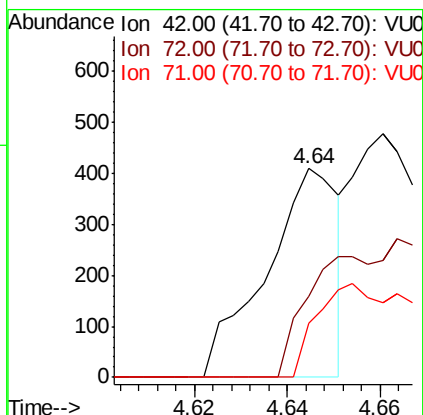
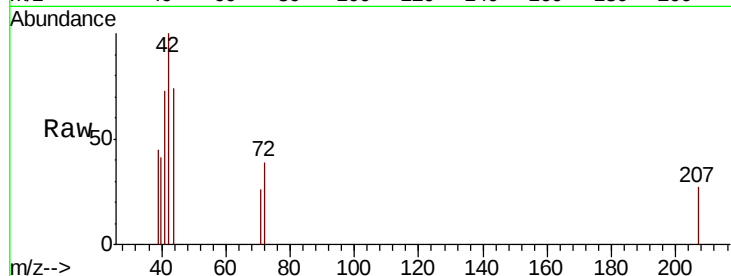
#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	36.7	55.1
71	57.3	33.9	50.9#

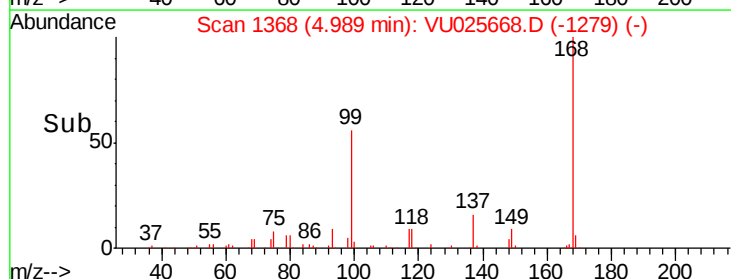
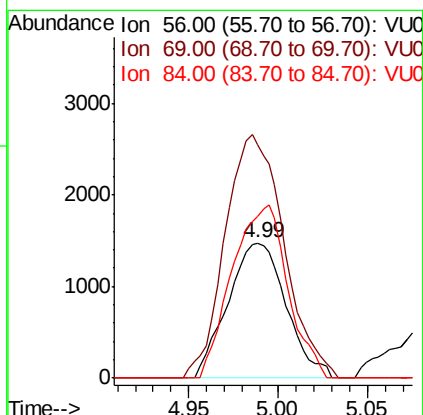
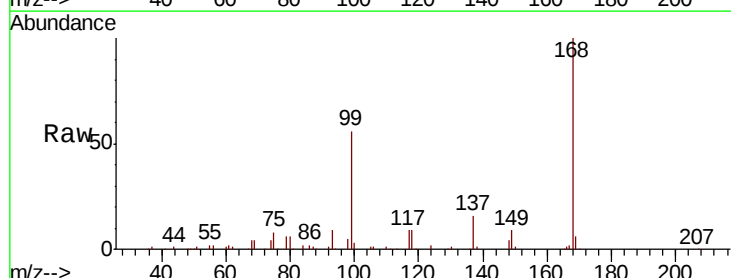
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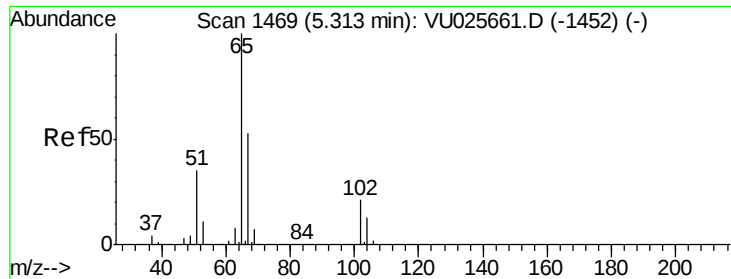
MMDadoda
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#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	172.8	26.8	40.2#
84	119.7	69.7	104.5#





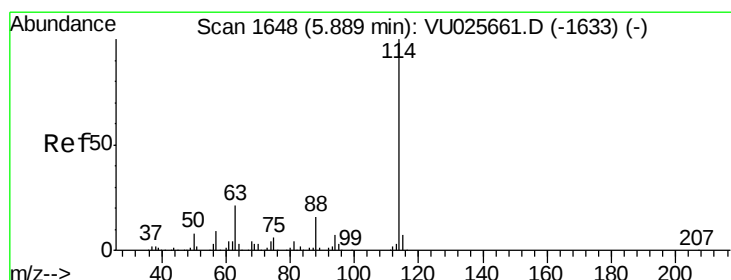
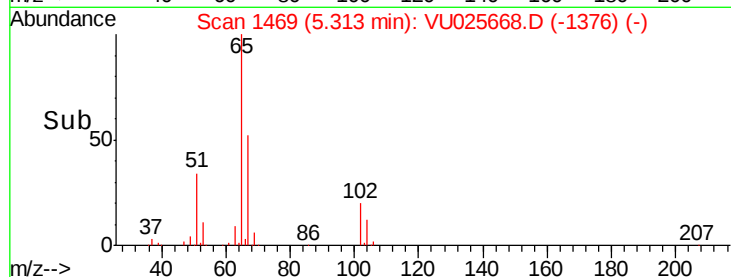
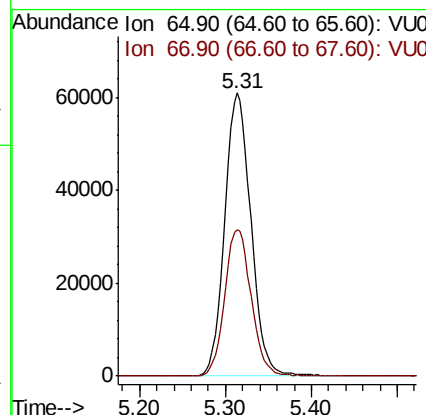
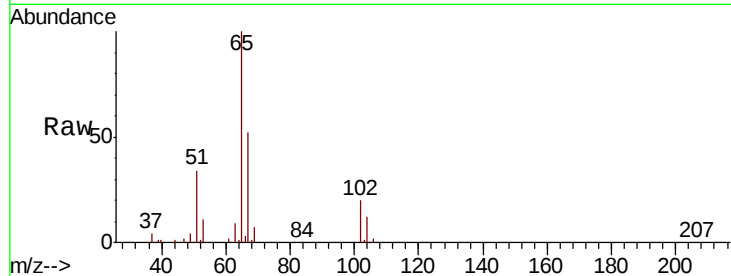
#33
 1,2-Dichloroethane-d4
 Concen: 52.27 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129322		
67	52.5	0.0	103.6	

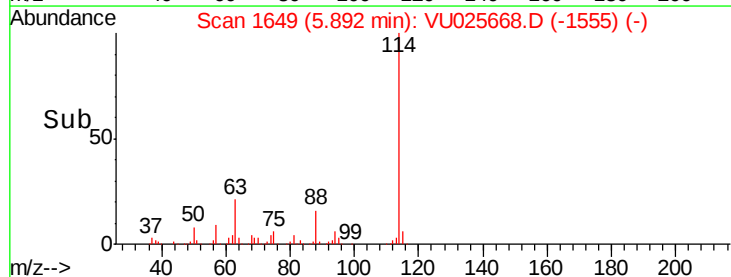
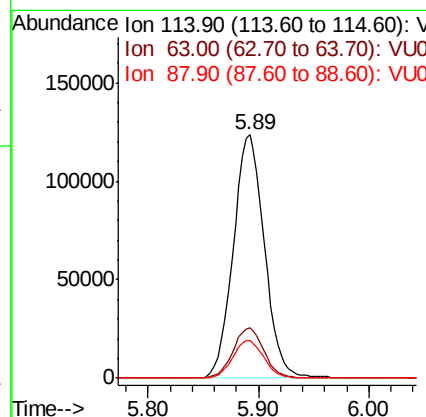
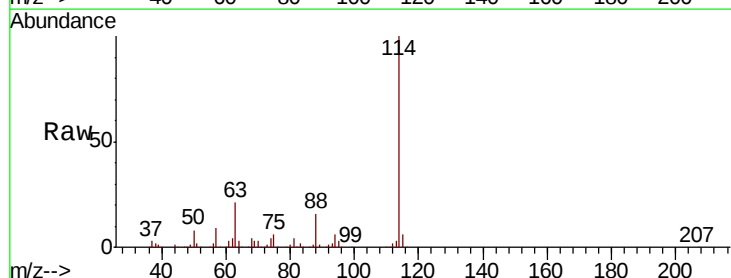
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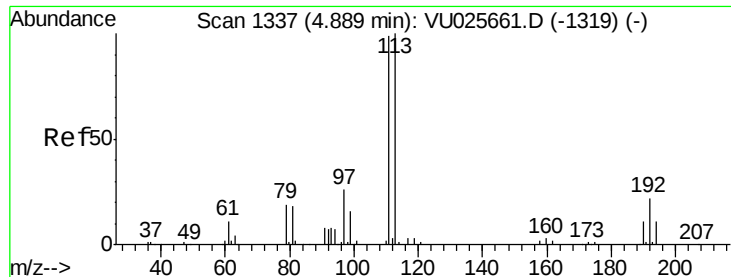
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	241772		
63	20.5	0.0	41.6	
88	15.5	0.0	32.4	





#35

Dibromofluoromethane

Concen: 49.73 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

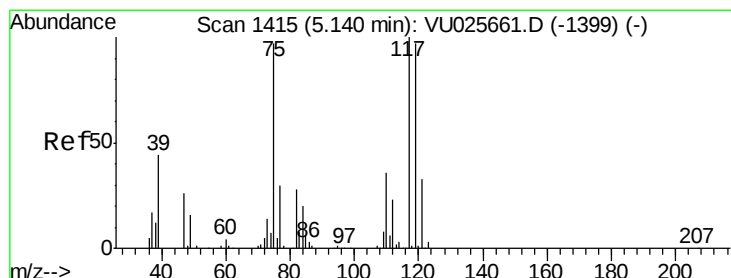
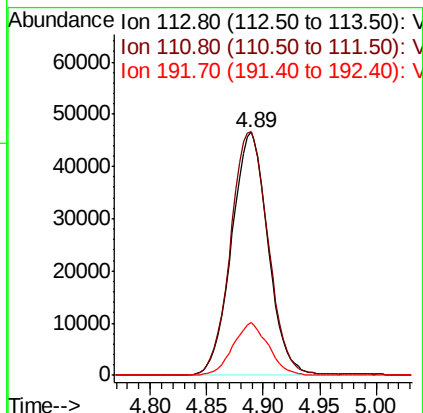
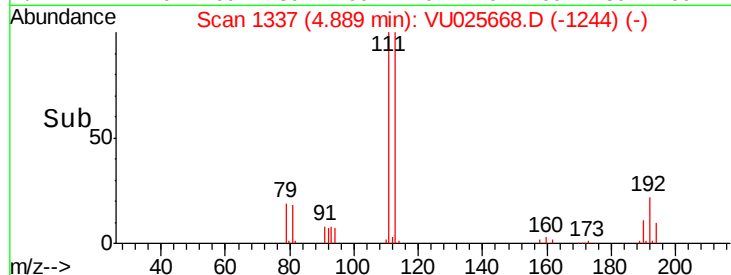
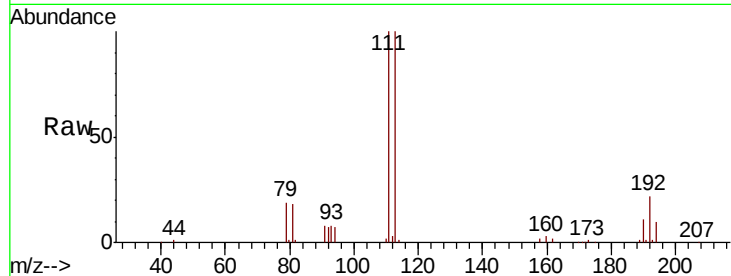
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:	113	Resp:	104568
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.7	122.5
192	21.0	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 4.03 ug/l

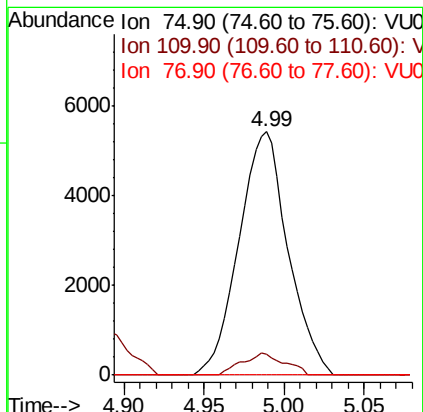
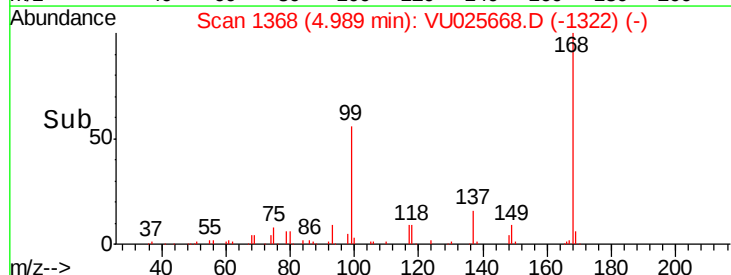
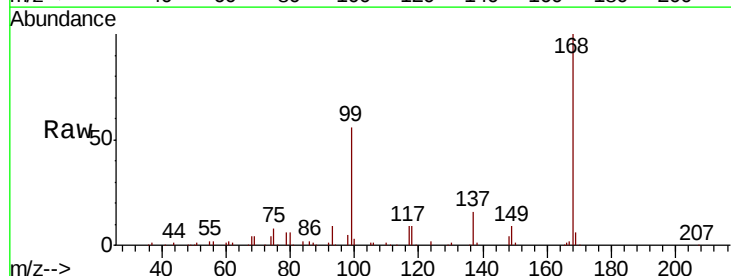
RT: 4.99 min Scan# 1368

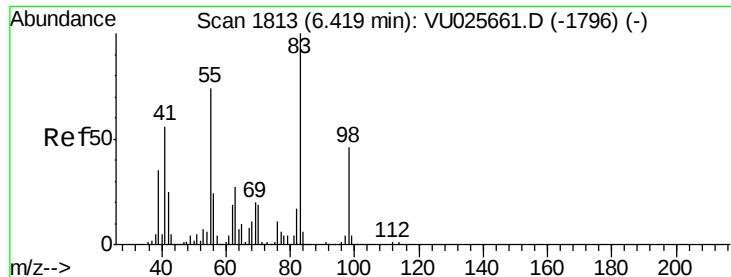
Delta R.T. -0.15 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Tgt Ion:	75	Resp:	11376
Ion Ratio	Lower	Upper	
75	100		
110	7.8	17.6	52.9#
77	0.0	24.4	36.6#





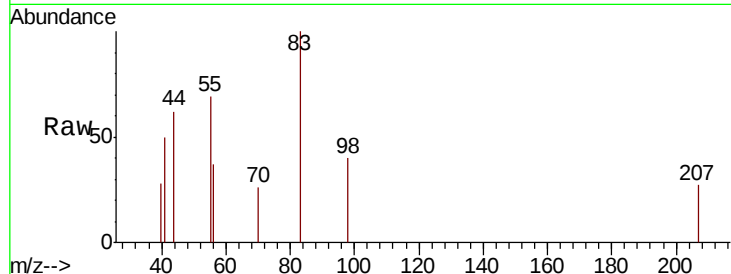
#39
Methvlcvclohexane
Concen: 0.28 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

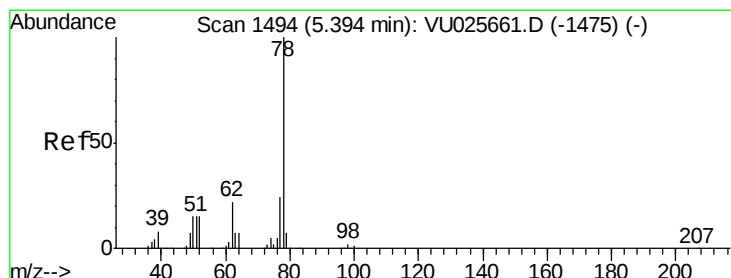
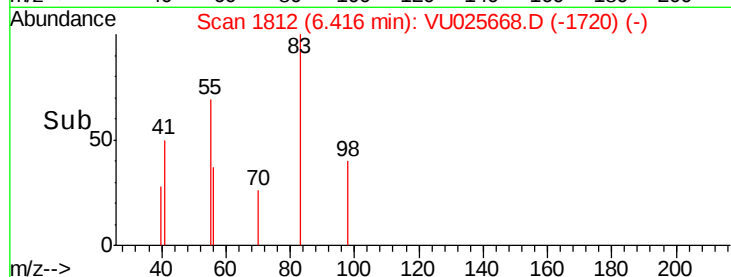
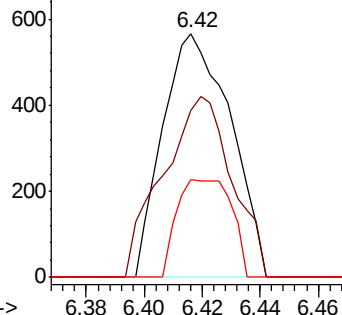
Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	60.0	90.0
98	40.1	36.1	54.1

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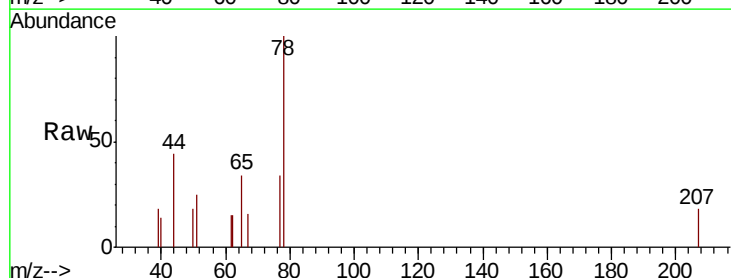


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

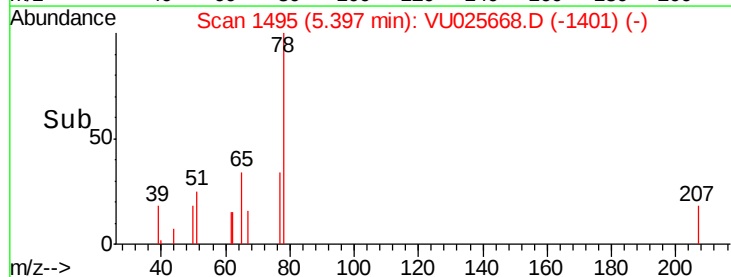
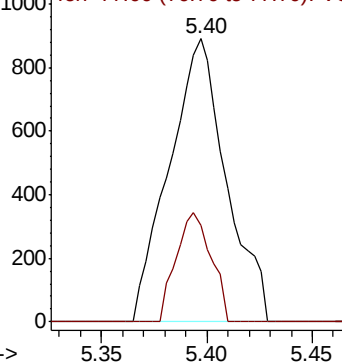


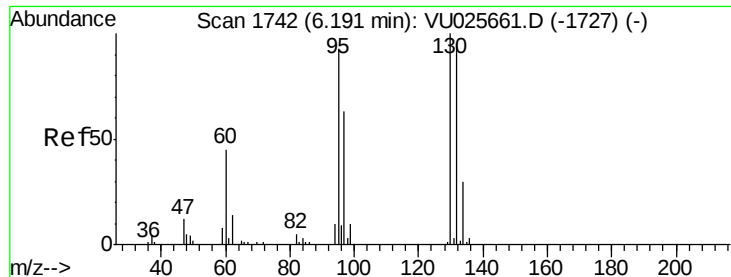
#40
Benzene
Concen: 0.20 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	33.9	19.8	29.6#



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 0.29 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:130 Resp: 666

Ion Ratio Lower Upper

130 100

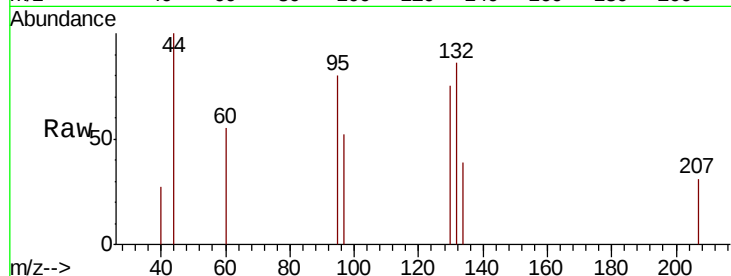
95 106.7 0.0 192.2

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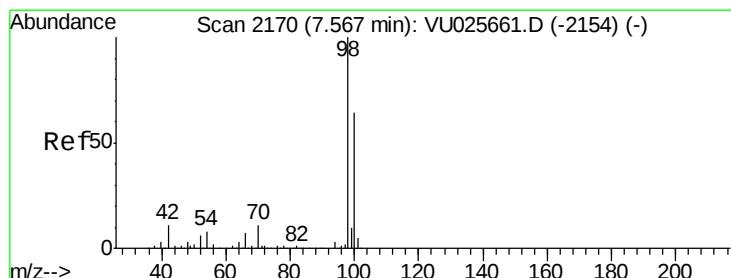
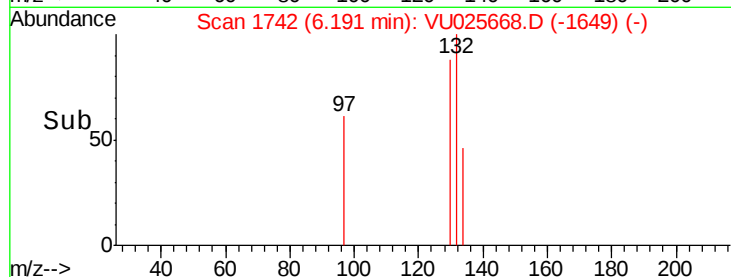
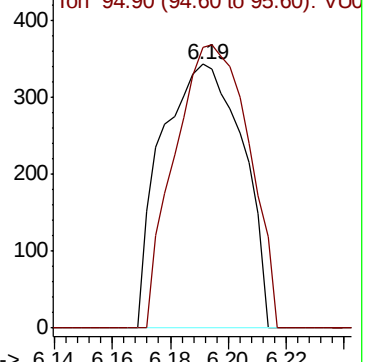
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Abundance Ion 129.80 (129.50 to 130.50): VU025668.D (-1649) (-)



#50

Toluene-d8

Concen: 49.07 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025668.D

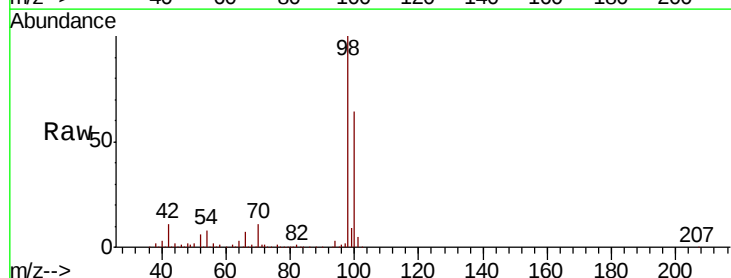
Acq: 27 Jul 2018 14:48

Tgt Ion: 98 Resp: 361087

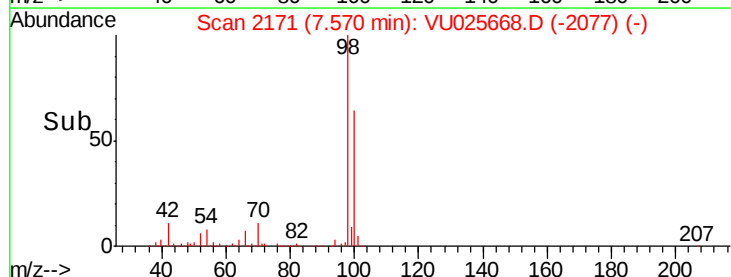
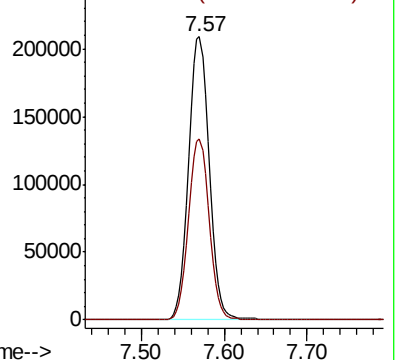
Ion Ratio Lower Upper

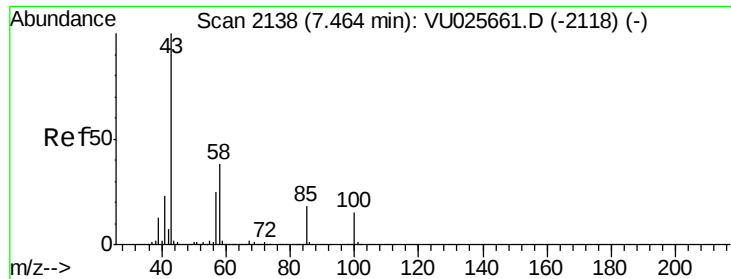
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025668.D (-2077) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.88 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 2660

Ion Ratio Lower Upper

43 100

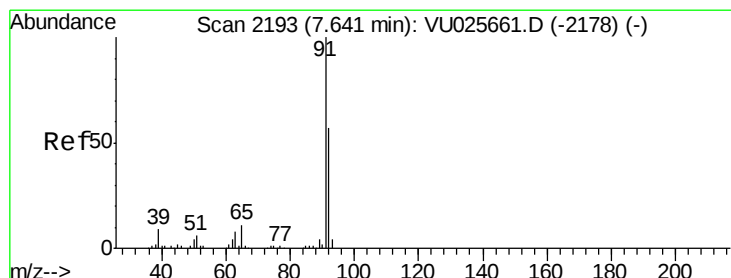
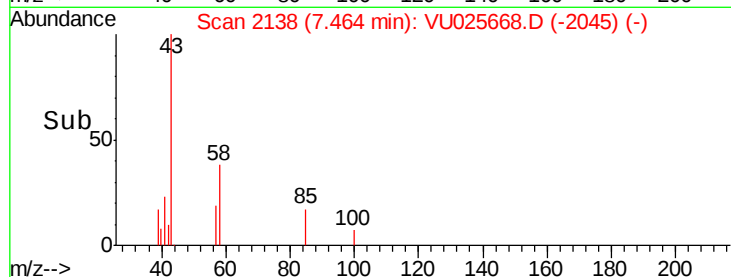
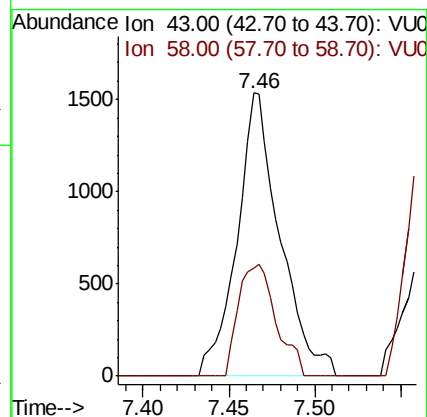
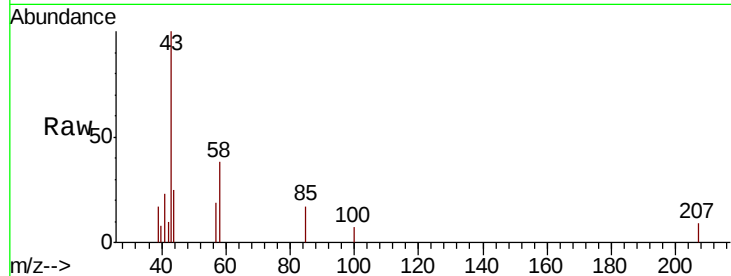
58 34.5 31.0 46.4

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#52

Toluene

Concen: 0.21 ug/l m

RT: 7.65 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU025668.D

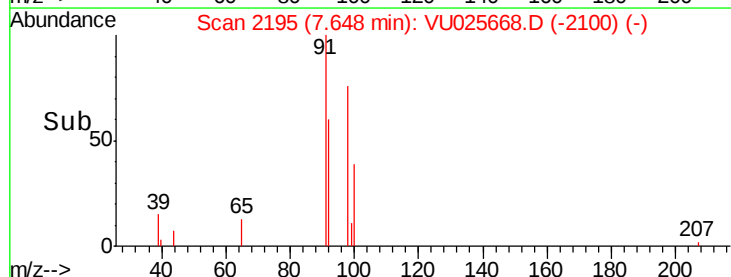
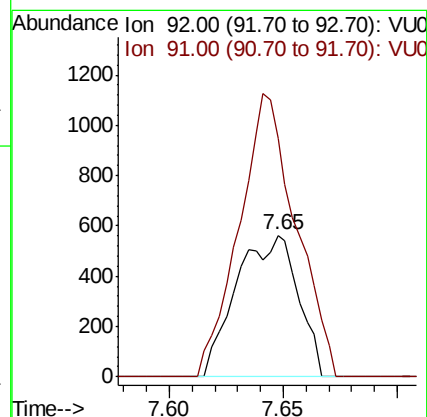
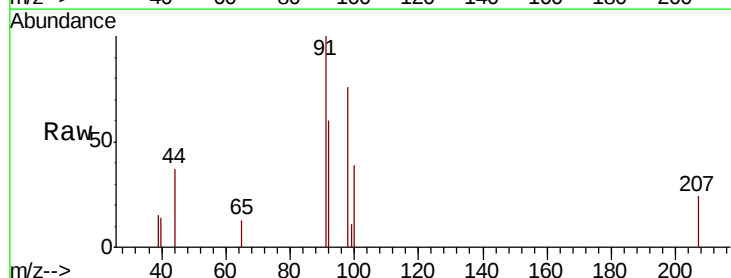
Acq: 27 Jul 2018 14:48

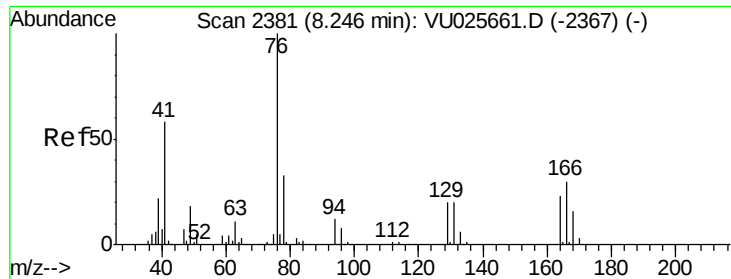
Tgt Ion: 92 Resp: 1055

Ion Ratio Lower Upper

92 100

91 184.6 139.2 208.8





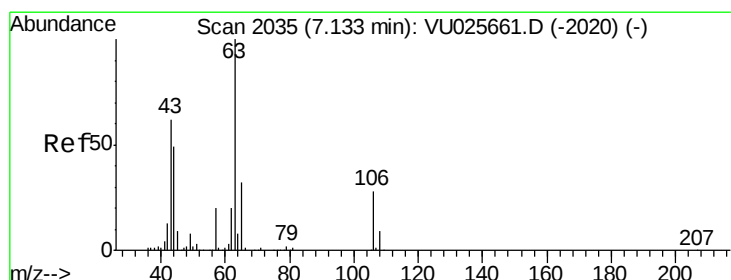
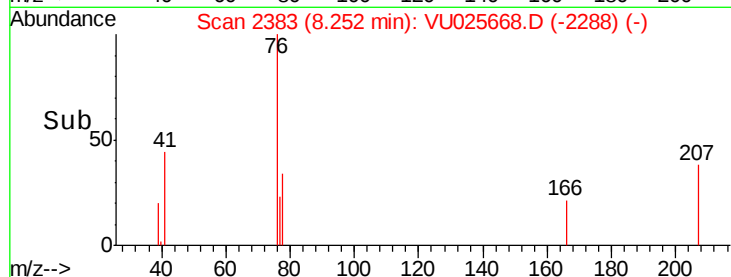
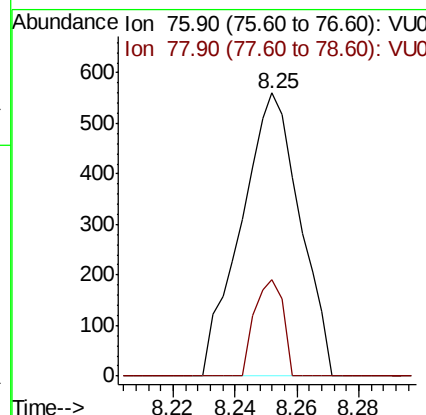
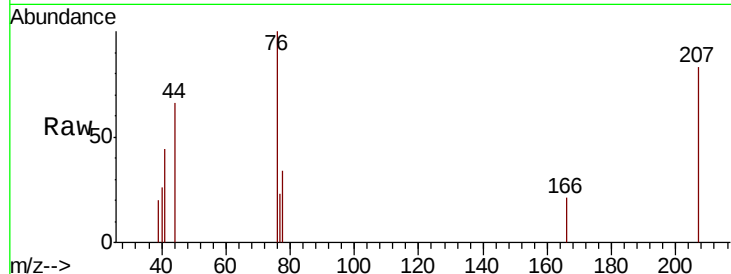
#57
 1,3-Dichloropropane
 Concen: 0.21 ug/l
 RT: 8.25 min Scan# 2383
 Delta R.T. 0.01 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion: 76 Resp: 738
 Ion Ratio Lower Upper
 76 100
 78 16.7 26.1 39.1#

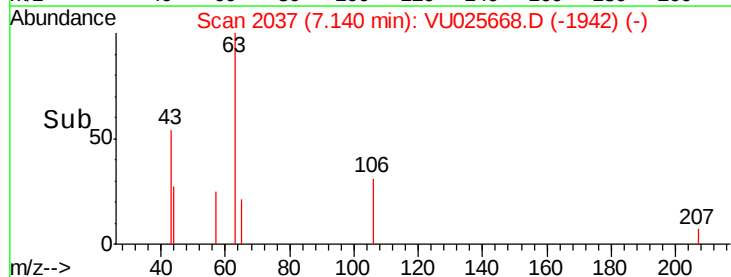
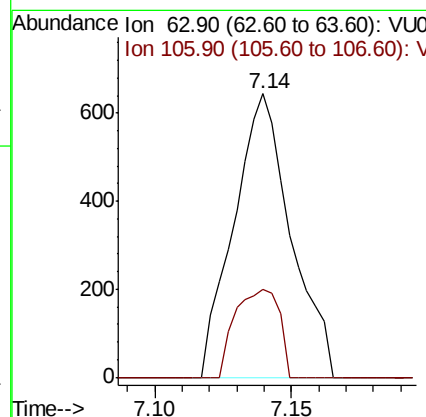
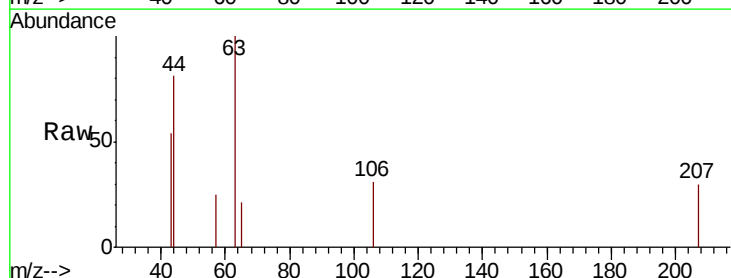
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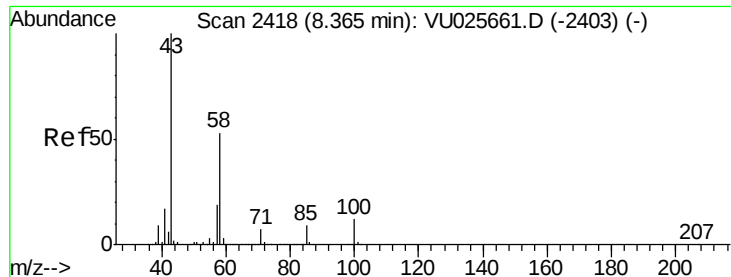
MMDadoda
 7/31/2018 3:48:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 7.73 ug/l
 RT: 7.14 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Tgt Ion: 63 Resp: 932
 Ion Ratio Lower Upper
 63 100
 106 23.9 22.3 33.5





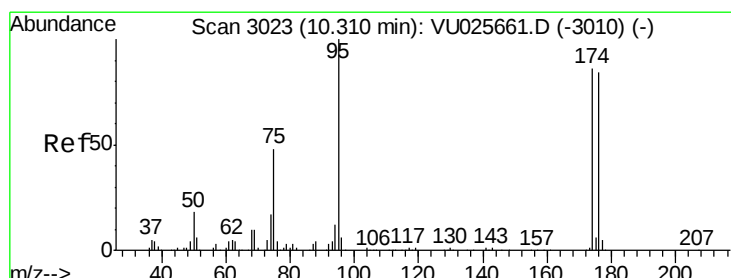
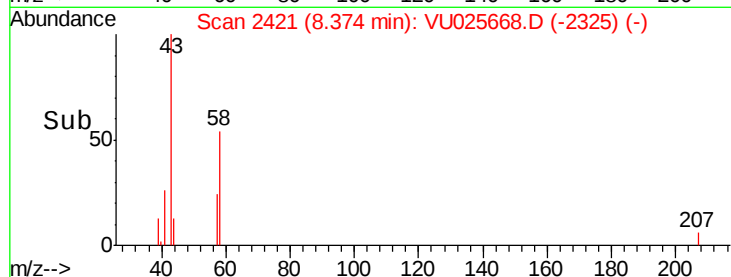
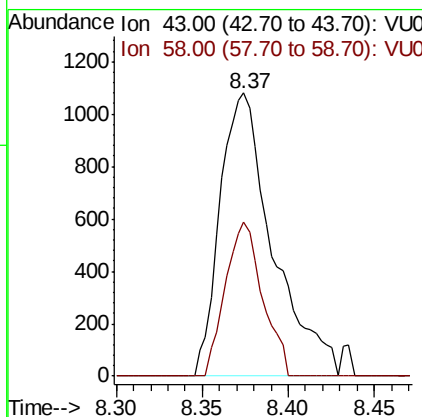
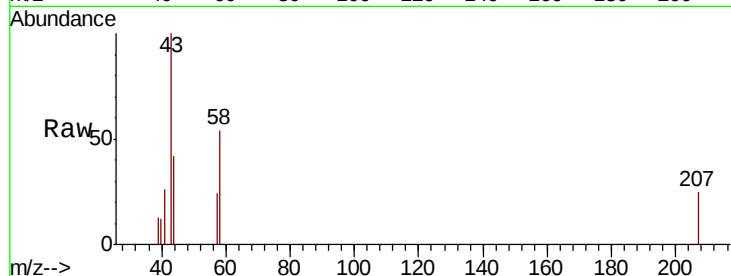
#59
2-Hexanone
Concen: 0.97 ug/l
RT: 8.37 min Scan# 2421
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
58 38.4 26.2 78.5

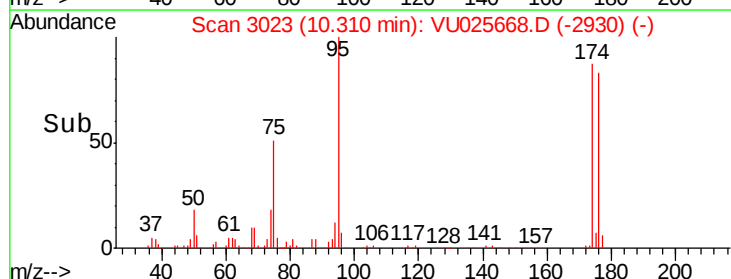
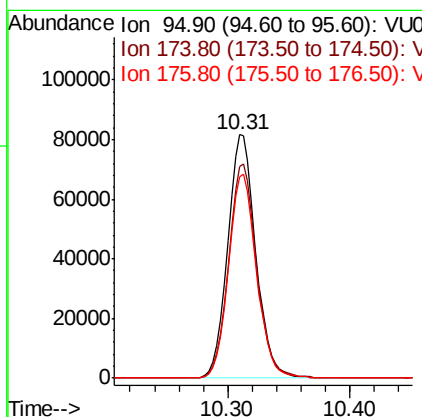
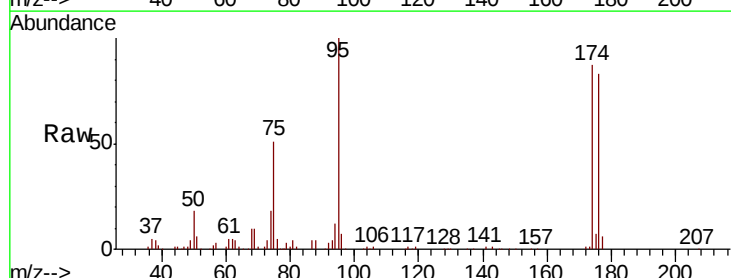
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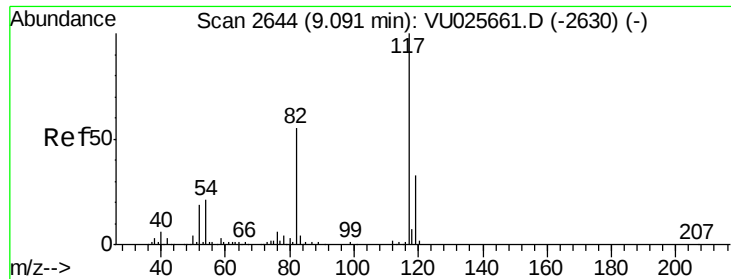
MMDadoda
7/31/2018 3:48:42 PM



#62
4-Bromofluorobenzene
Concen: 45.82 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion: 95 Resp: 130882
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.2
176 83.8 0.0 162.6





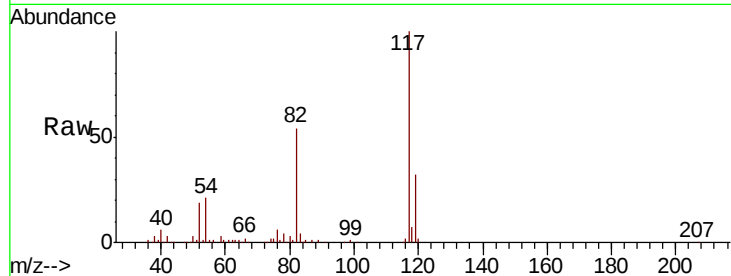
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229645		
82	53.5	46.0	69.0	
119	31.8	26.0	39.0	

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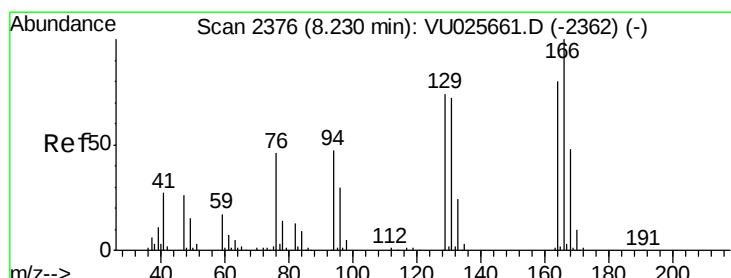
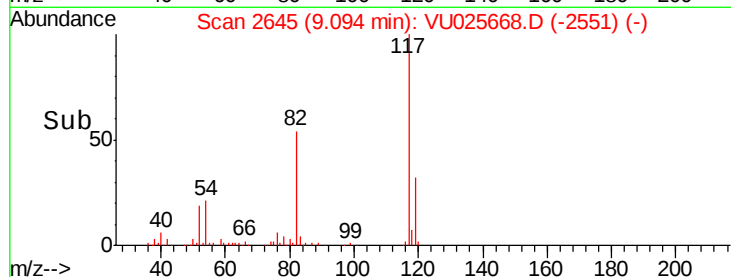
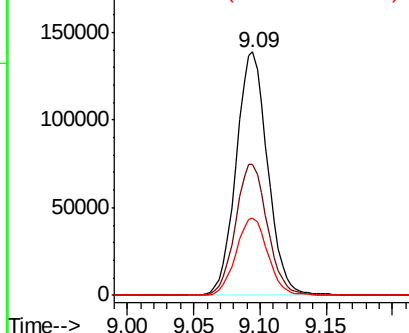


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.26 ug/l m
RT: 8.24 min Scan# 2379
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	524		
166	112.0	101.1	151.7	
129	88.9	73.0	109.6	
131	84.2	72.1	108.1	

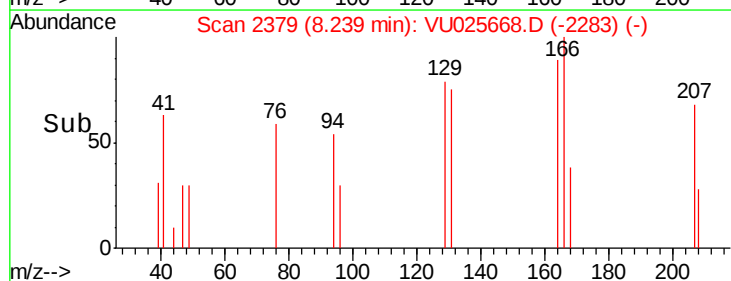
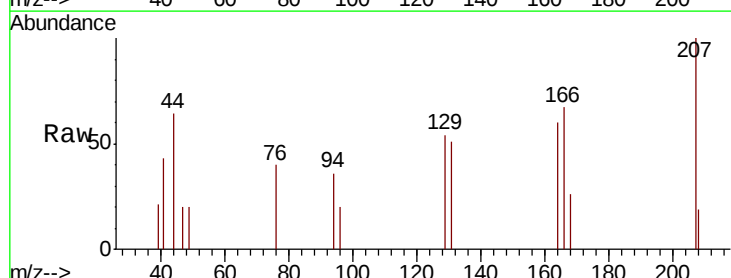
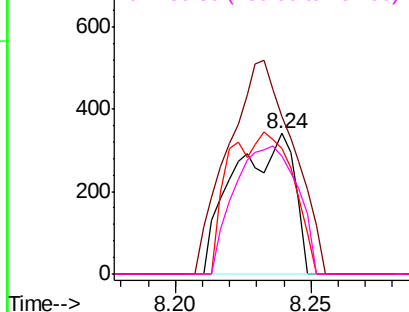
Abundance

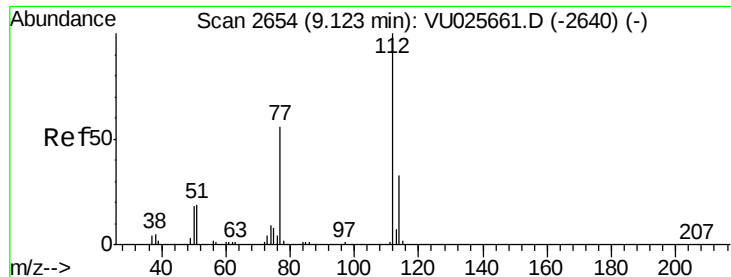
Ion 163.80 (163.50 to 164.50): V

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: 0.24 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:112 Resp: 1424

Ion Ratio Lower Upper

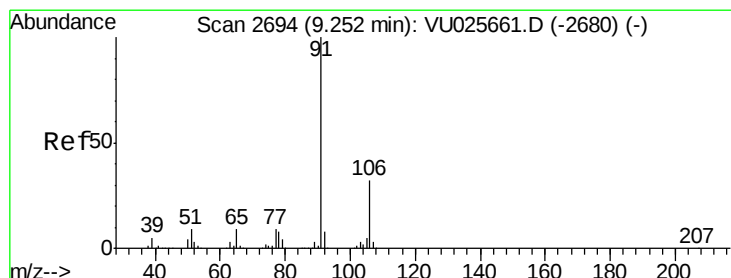
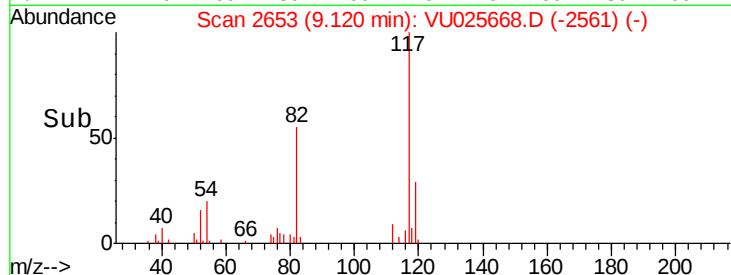
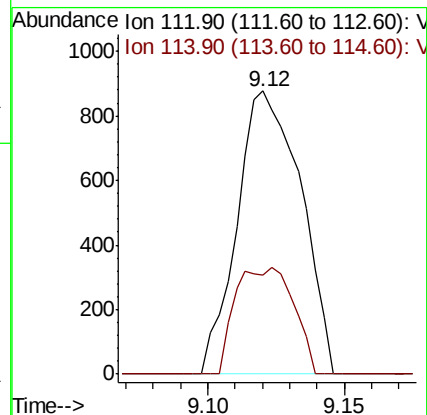
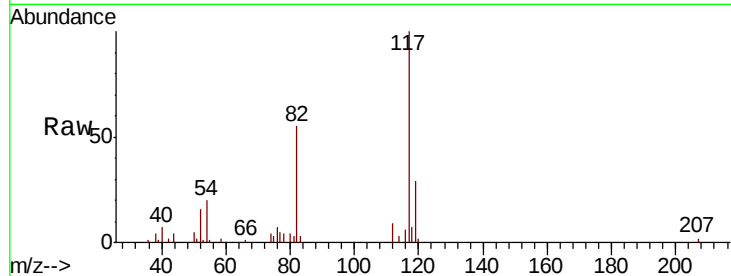
112 100

114 35.2 25.8 38.8

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#67

Ethyl Benzene

Concen: 0.26 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025668.D

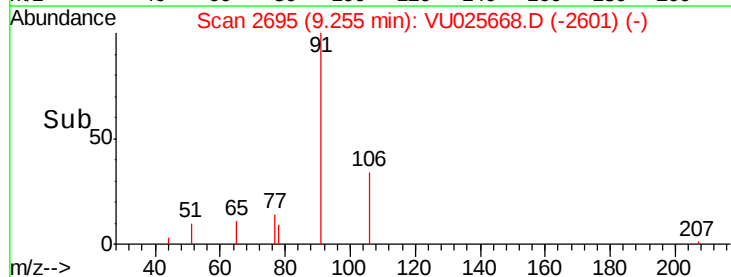
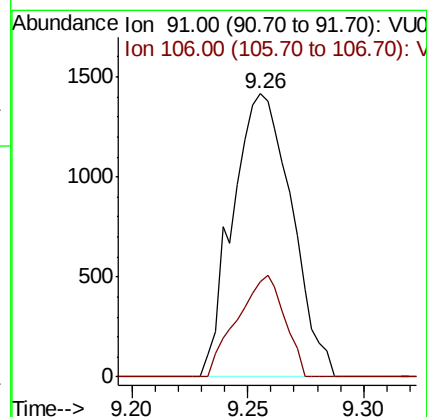
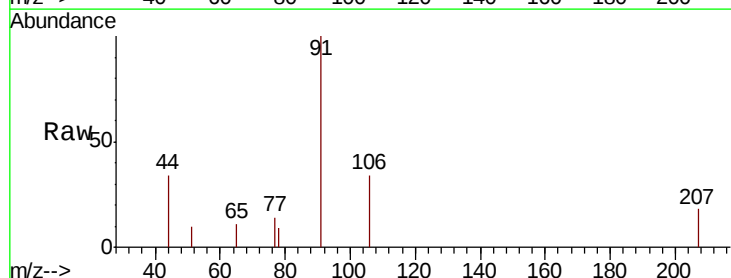
Acq: 27 Jul 2018 14:48

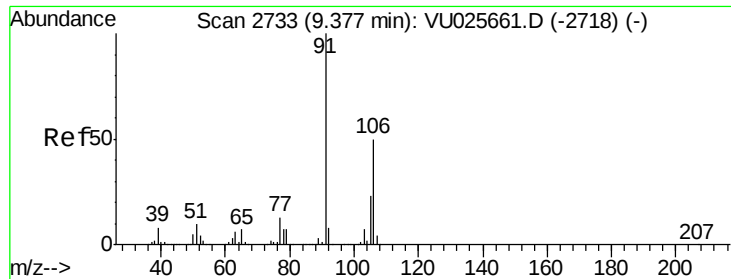
Tgt Ion: 91 Resp: 2508

Ion Ratio Lower Upper

91 100

106 33.6 25.3 37.9





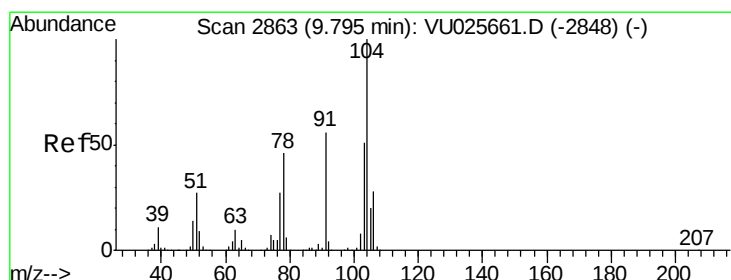
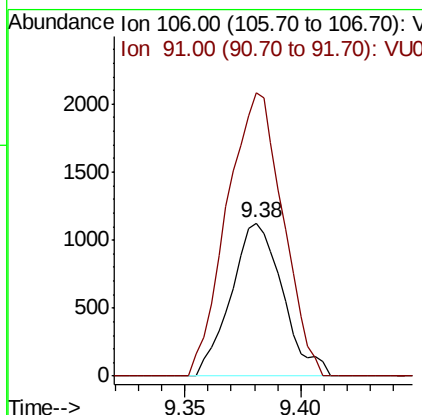
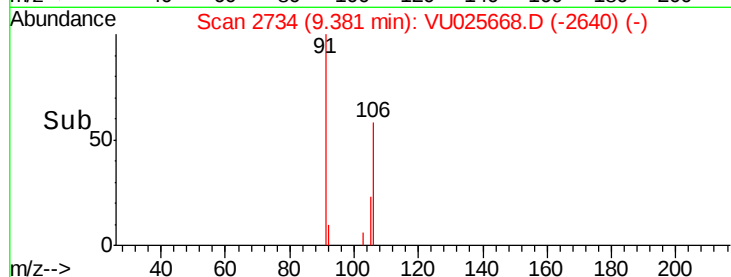
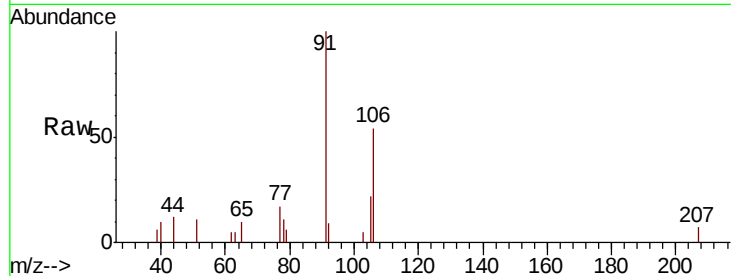
#68
m/p-Xvlenes
Concen: 0.46 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:106 Resp: 1739
Ion Ratio Lower Upper
106 100
91 200.5 162.3 243.5

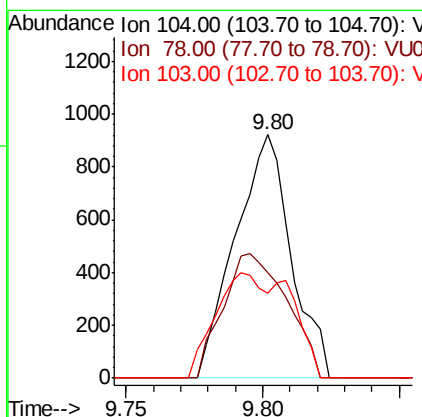
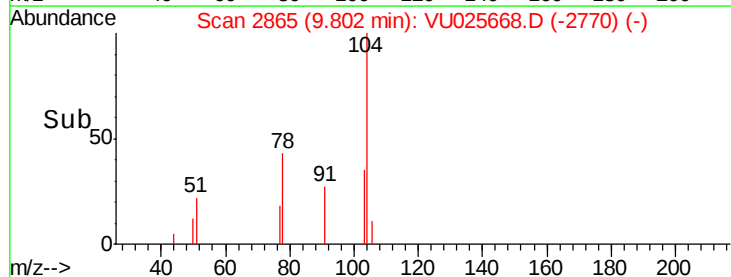
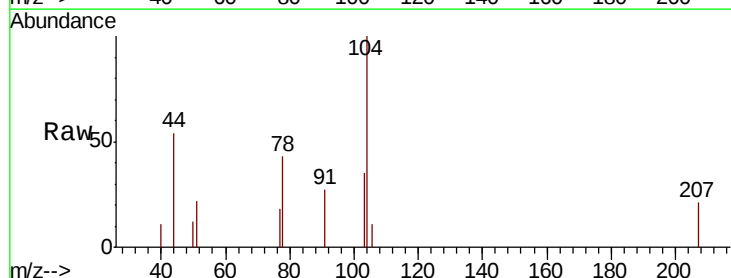
Manual Integrations
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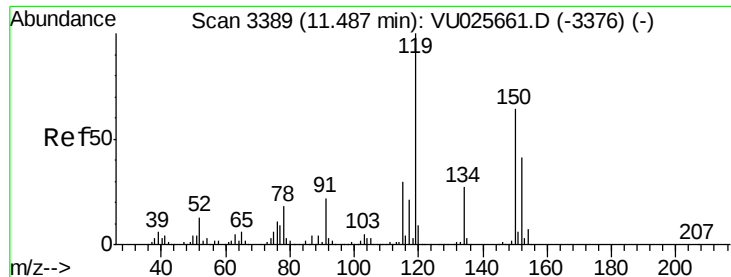
MMDadoda
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#70
Styrene
Concen: 0.22 ug/l
RT: 9.80 min Scan# 2865
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion:104 Resp: 1308
Ion Ratio Lower Upper
104 100
78 58.7 41.6 62.4
103 39.0 44.6 66.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

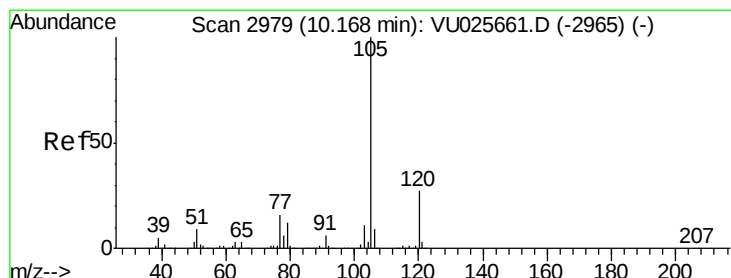
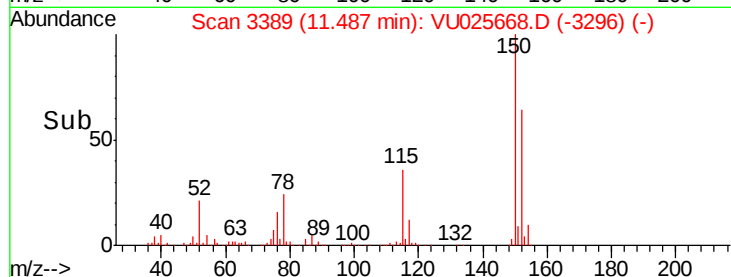
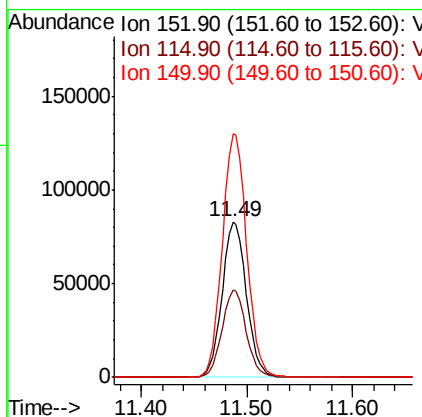
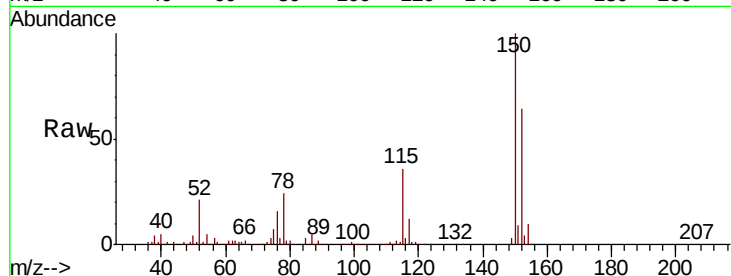
ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
152	100	131893		
115	55.9	40.1	120.3	
150	157.1	0.0	351.4	

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.22 ug/l

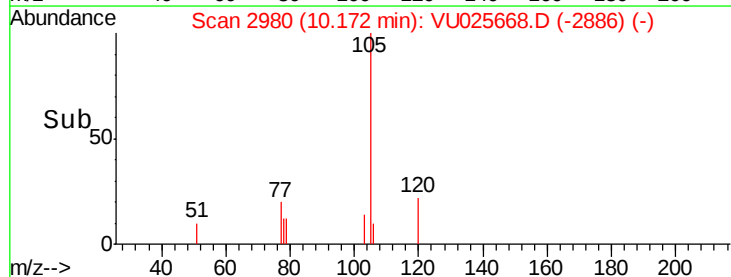
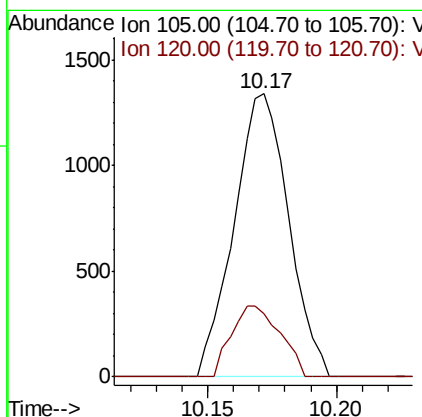
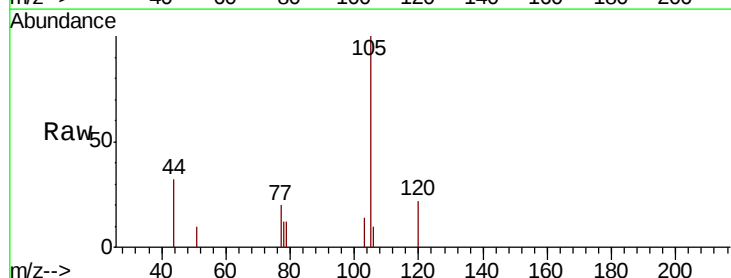
RT: 10.17 min Scan# 2980

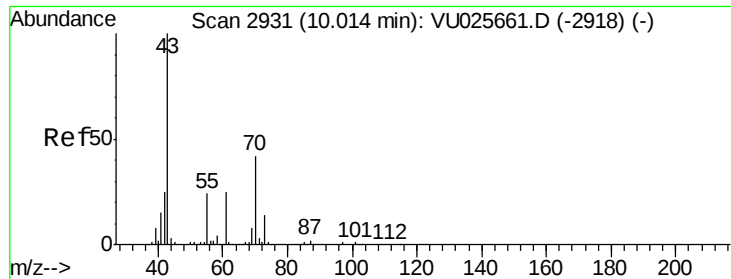
Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1973		
120	22.4	13.5	40.5	





#74

N-amvl acetate

Concen: 0.23 ug/l

RT: 10.02 min Scan# 2934

Delta R.T. 0.01 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

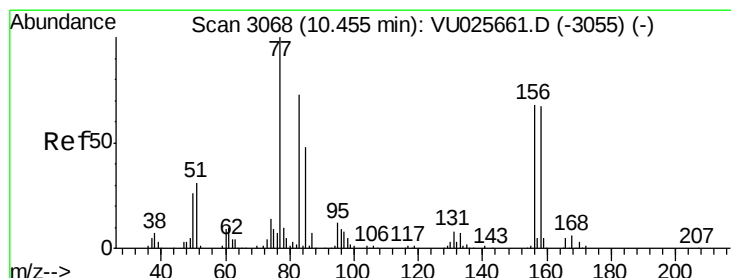
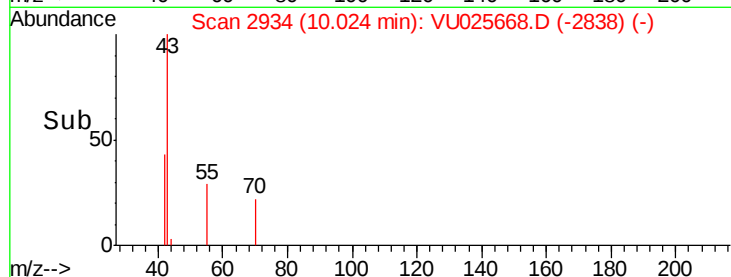
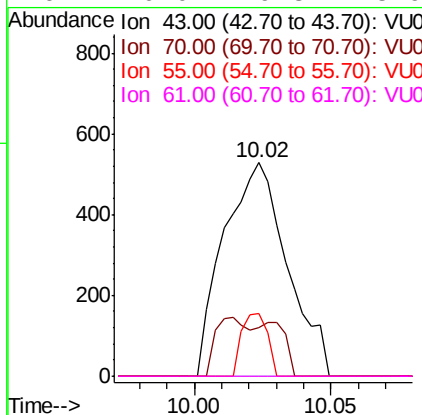
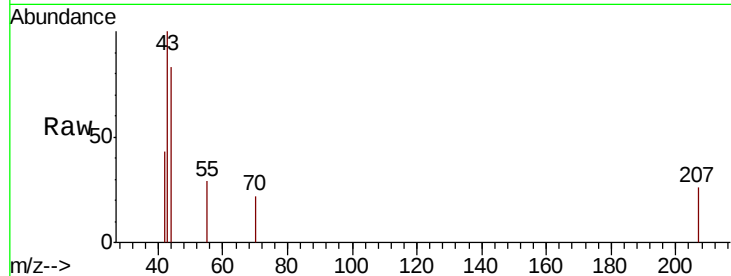
MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 852

Ion	Ratio	Lower	Upper
43	100		
70	14.6	33.4	50.2#
55	12.0	19.0	28.6#
61	0.0	19.3	28.9#

Manual Integrations
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#77

Bromobenzene

Concen: 0.25 ug/l

RT: 10.46 min Scan# 3070

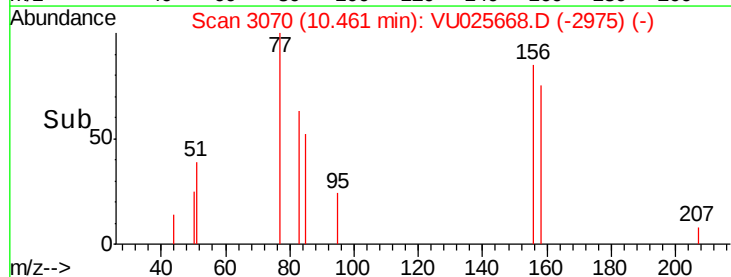
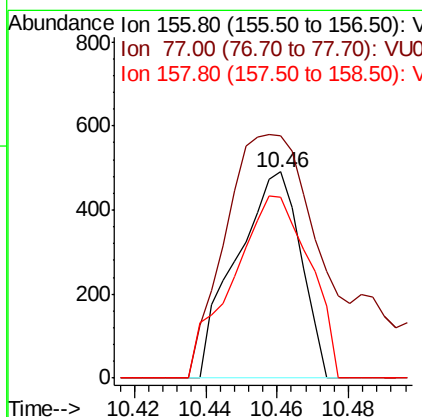
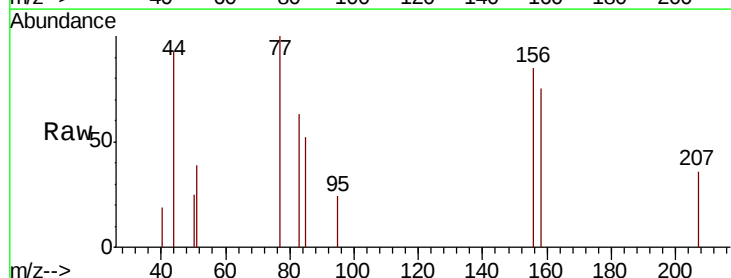
Delta R.T. 0.01 min

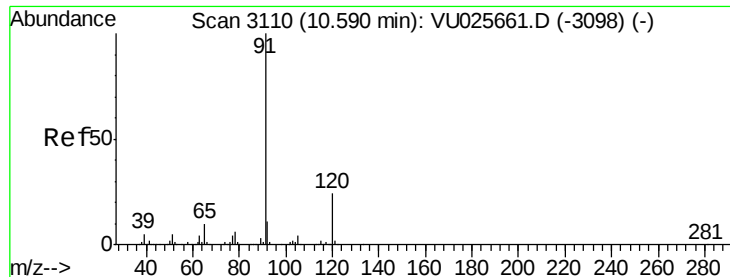
Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Tgt Ion: 156 Resp: 611

Ion	Ratio	Lower	Upper
156	100		
77	188.2	73.8	221.4
158	105.7	48.0	144.0





#78

n-propylbenzene

Concen: 0.29 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion: 91 Resp: 3034

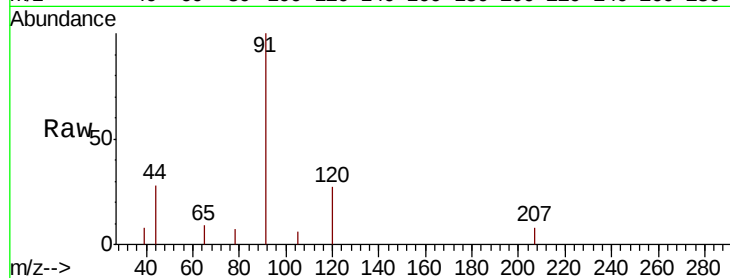
Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.3

Manual Integrations
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7/31/2018 3:48:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025668.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025668.D (-3098) (-)

10.59

2000

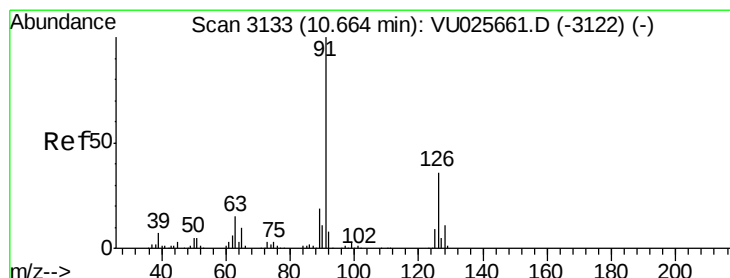
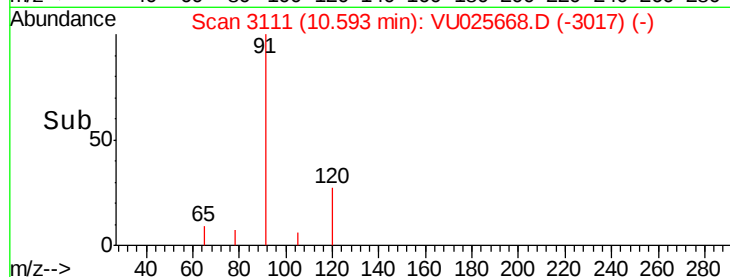
1500

1000

500

0

Time-->



#79

2-Chlorotoluene

Concen: 0.26 ug/l

RT: 10.66 min Scan# 3132

Delta R.T. -0.00 min

Lab File: VU025668.D

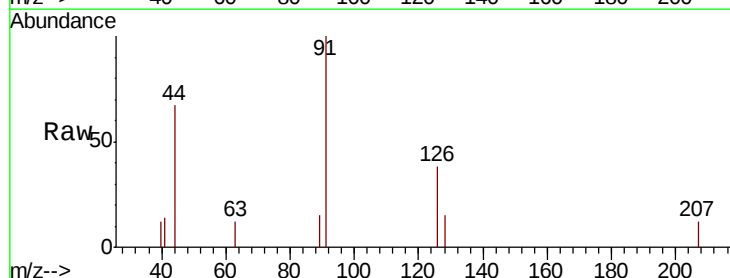
Acq: 27 Jul 2018 14:48

Tgt Ion: 91 Resp: 1614

Ion Ratio Lower Upper

91 100

126 27.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025668.D (-3017) (-)

Ion 125.90 (125.60 to 126.60): VU025668.D (-3017) (-)

10.66

1000

800

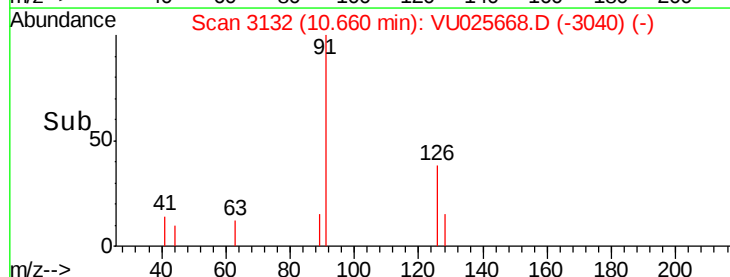
600

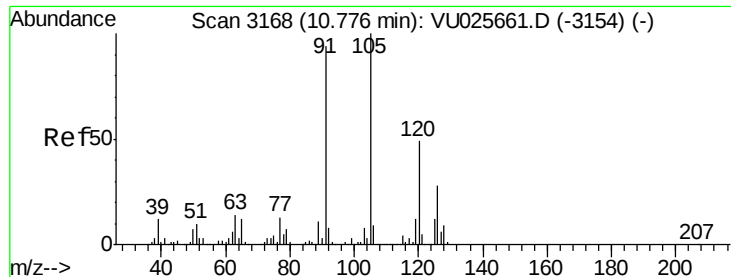
400

200

0

Time-->





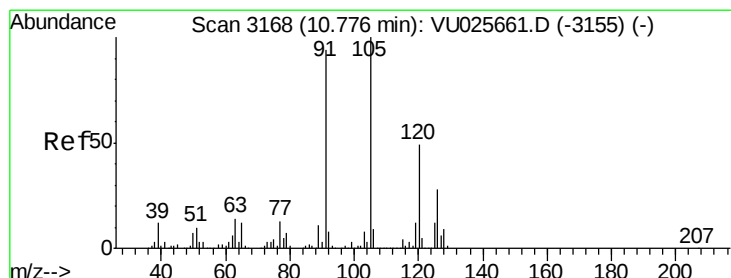
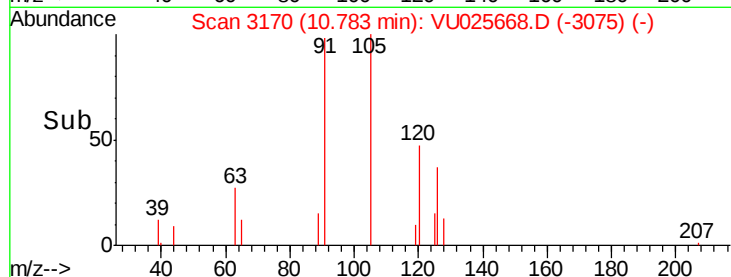
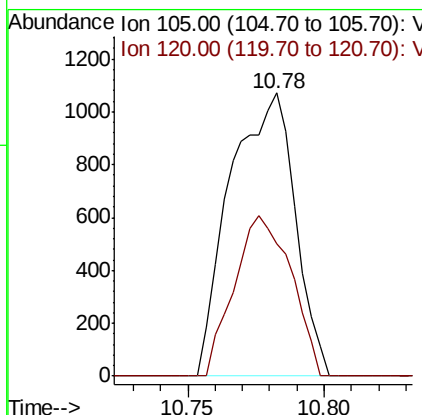
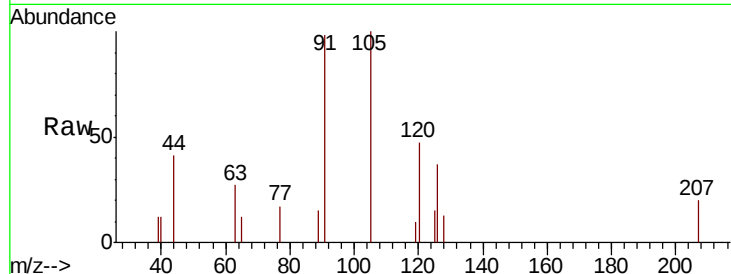
#80
 1,3,5-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 10.78 min Scan# 3170
 Delta R.T. 0.01 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion:105 Resp: 1772
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.1 72.2

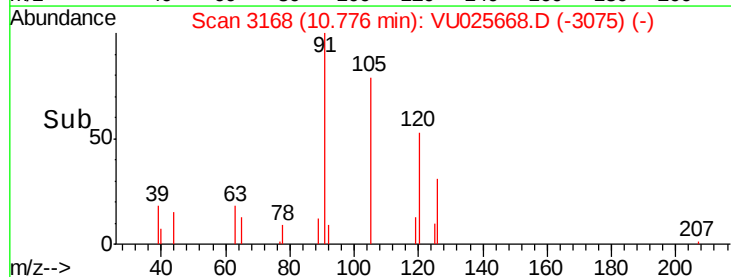
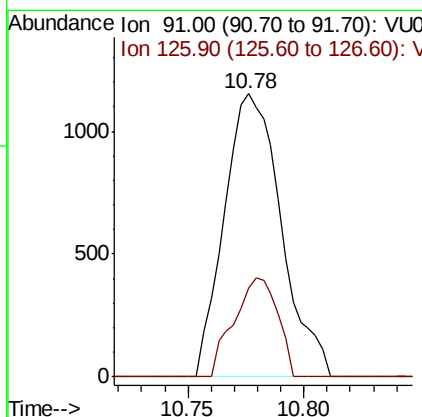
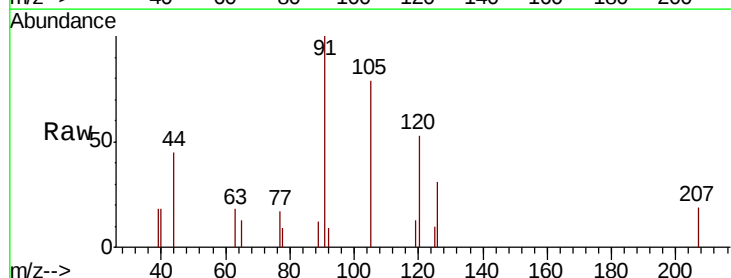
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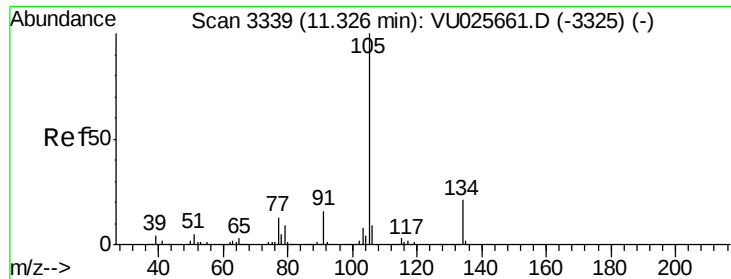
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#82
 4-Chlorotoluene
 Concen: 0.27 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Tgt Ion: 91 Resp: 1971
 Ion Ratio Lower Upper
 91 100
 126 26.8 15.3 45.9





#85

sec-Butylbenzene

Concen: 0.24 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

Tot Ion:105 Resp: 2197

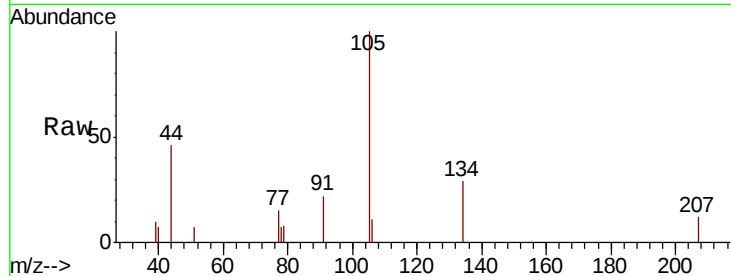
Ion Ratio Lower Upper

105 100

134 23.2 10.3 30.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

1500

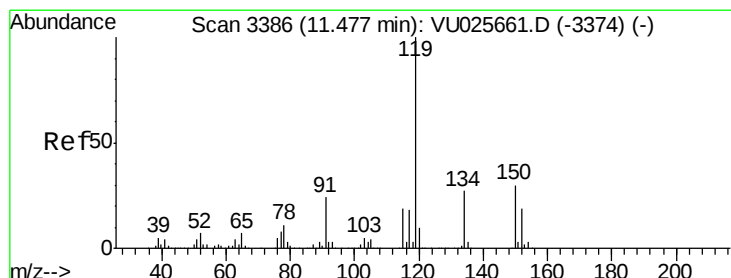
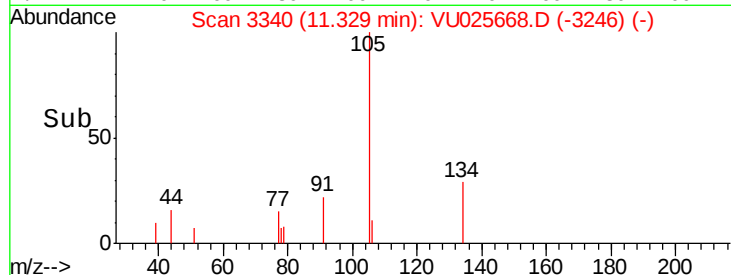
1000

500

0

Time-->

11.30 11.35



#86

p-Isopropyltoluene

Concen: 0.25 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025668.D

Acq: 27 Jul 2018 14:48

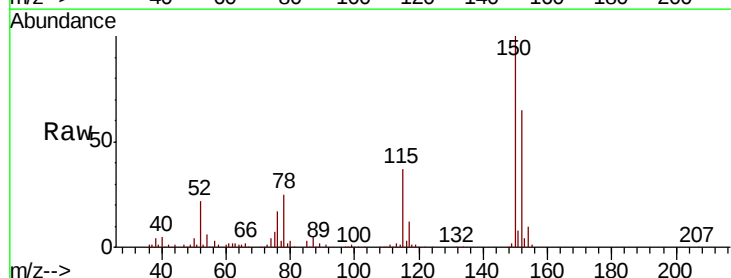
Tgt Ion:119 Resp: 2035

Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.5

91 41.5 12.0 36.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

1500

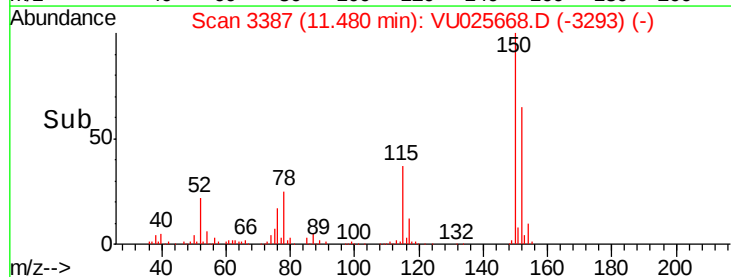
1000

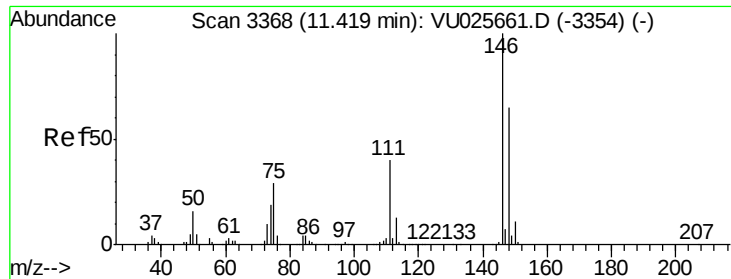
500

0

Time-->

11.45 11.50





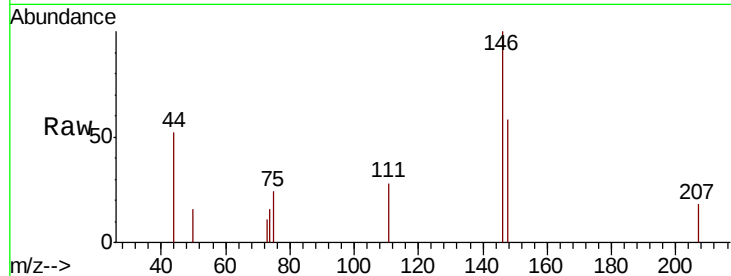
#87
 1,3-Dichlorobenzene
 Concen: 0.34 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

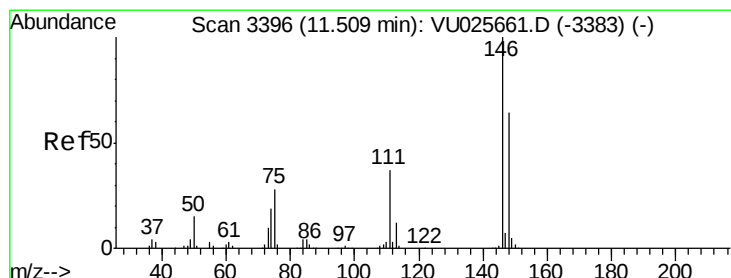
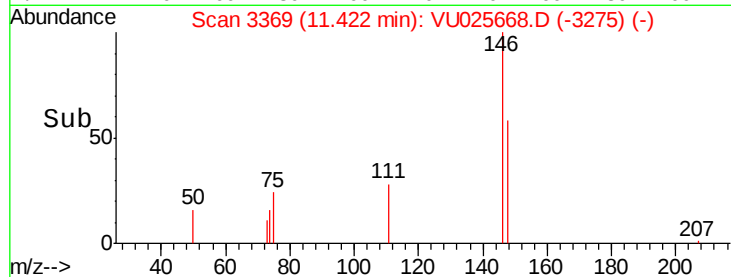
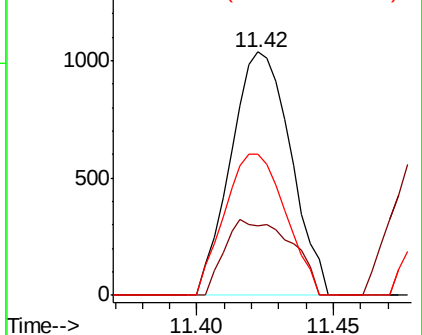
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.5	19.7	59.1
148	59.0	32.1	96.3

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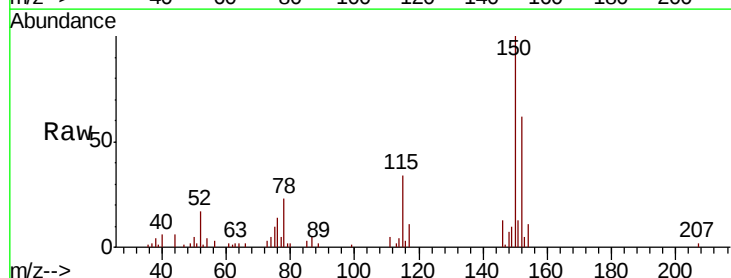


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

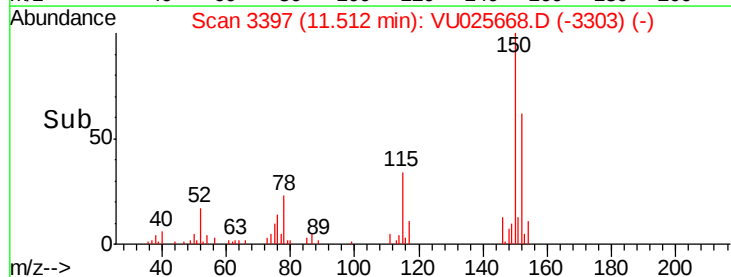
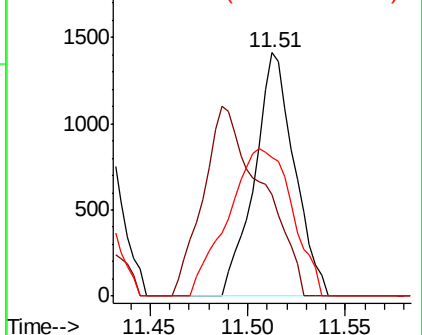


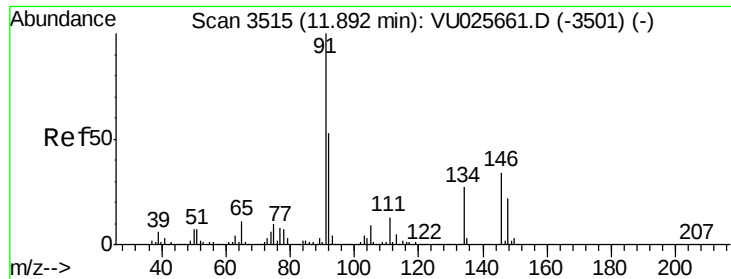
#88
 1,4-Dichlorobenzene
 Concen: 0.42 ug/l m
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	27.3	19.4	58.1
148	46.8	31.7	95.1



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





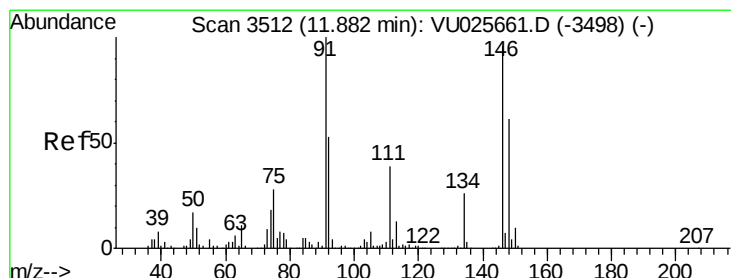
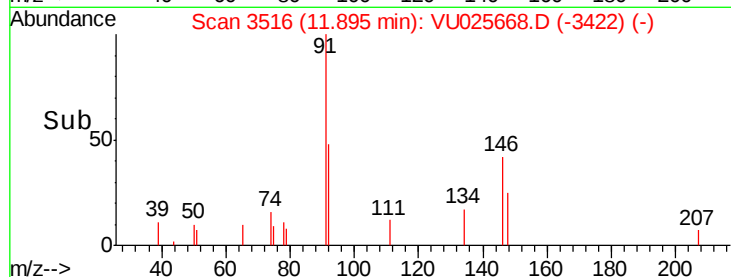
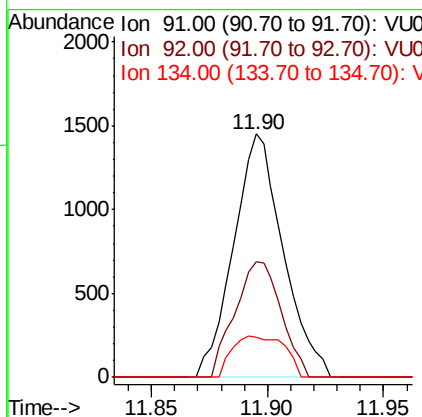
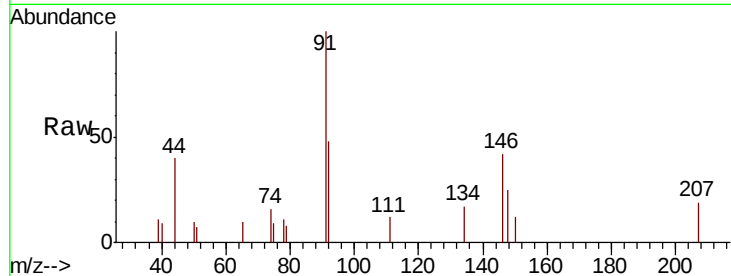
#89
n-Butylbenzene
Concen: 0.28 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
91	100		
92	44.4	26.5	79.5
134	17.7	13.6	40.7

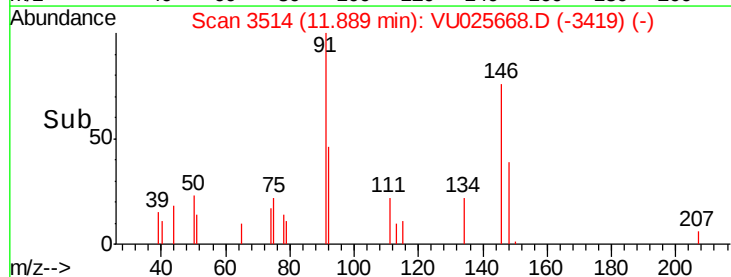
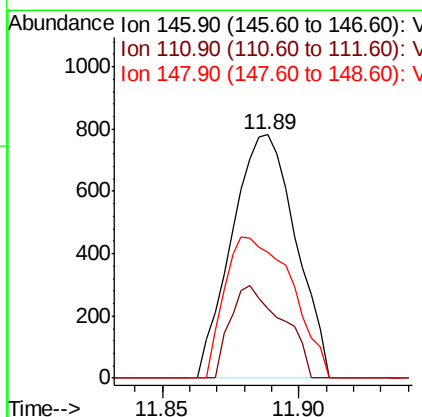
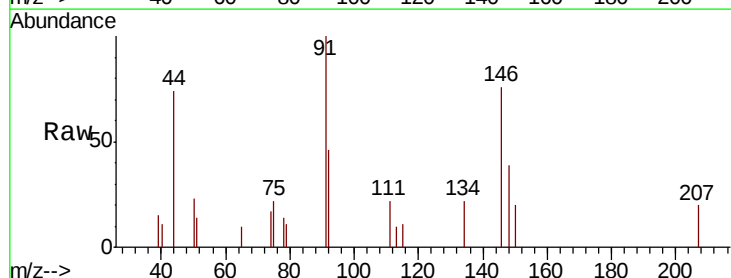
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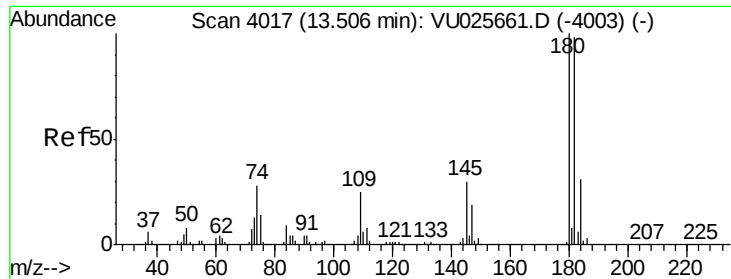
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#91
1,2-Dichlorobenzene
Concen: 0.28 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	20.6	61.8
148	61.3	31.5	94.5





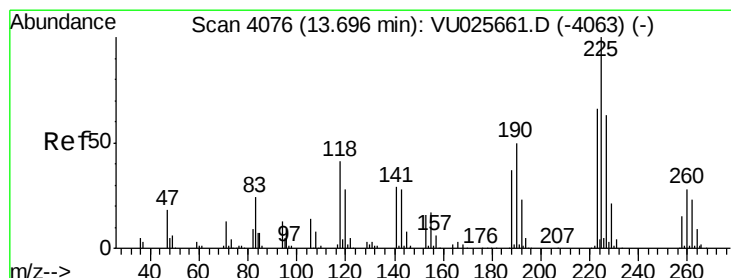
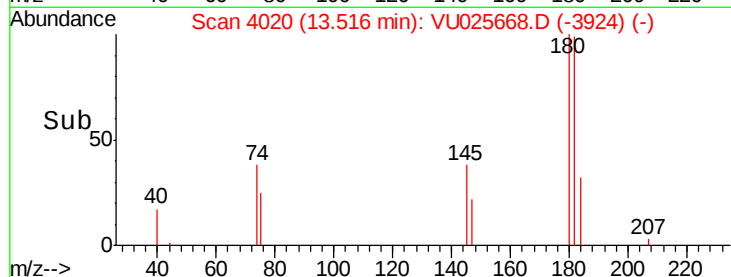
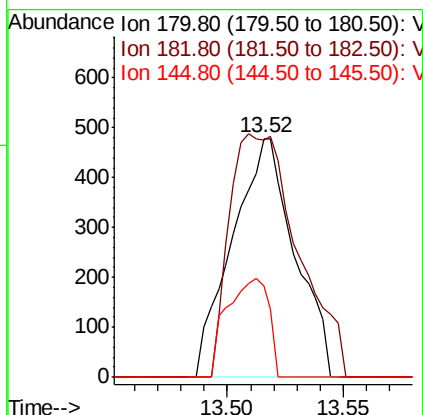
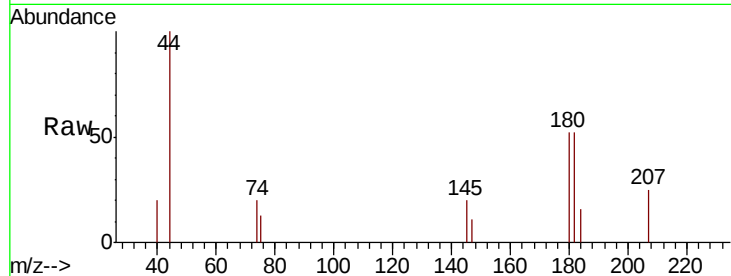
#93
 1,2,4-Trichlorobenzene
 Concen: 0.29 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	111.8	47.3	141.9
145	27.7	14.9	44.7

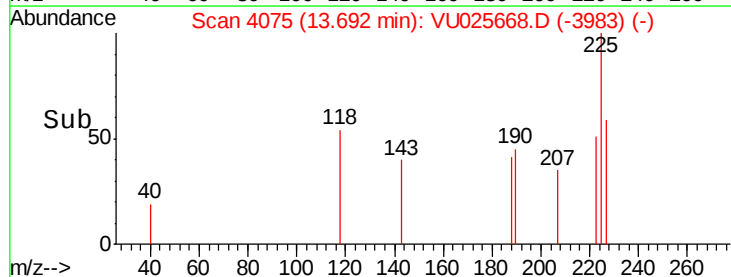
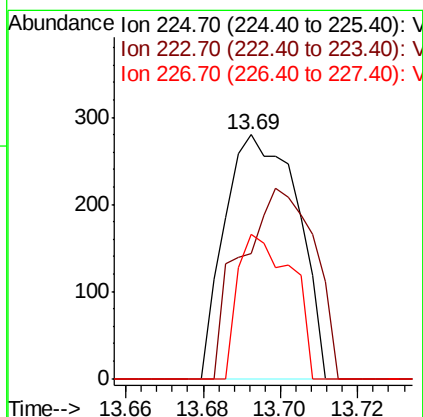
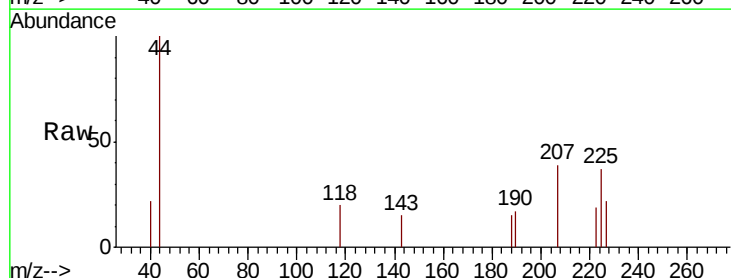
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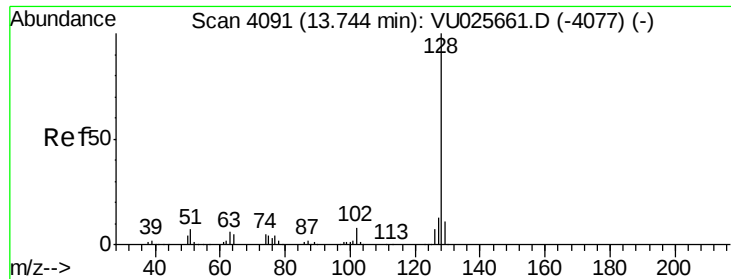
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#94
 Hexachlorobutadiene
 Concen: 0.23 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU025668.D
 Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	78.7	31.9	95.7
227	43.4	32.3	96.9





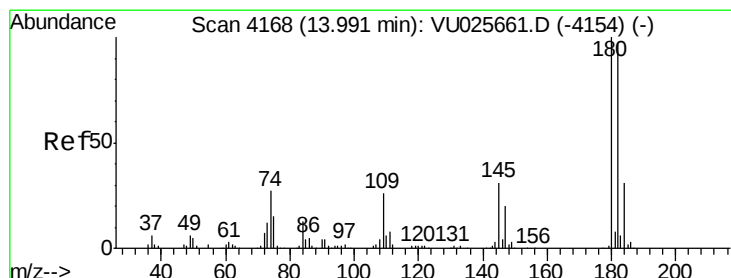
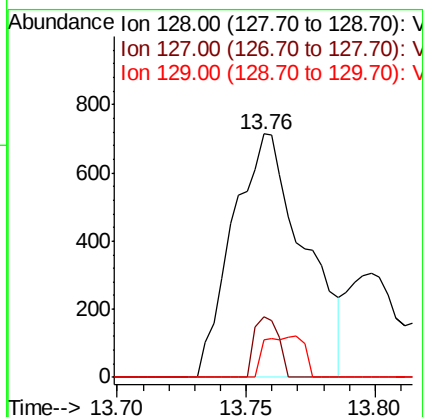
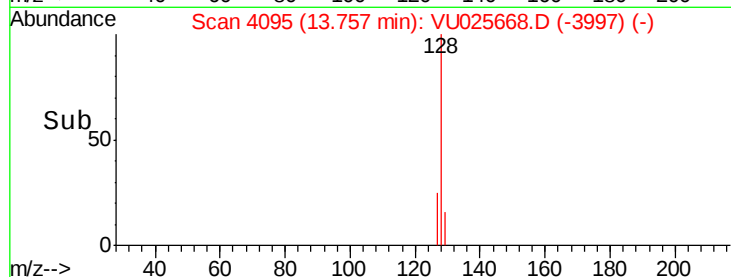
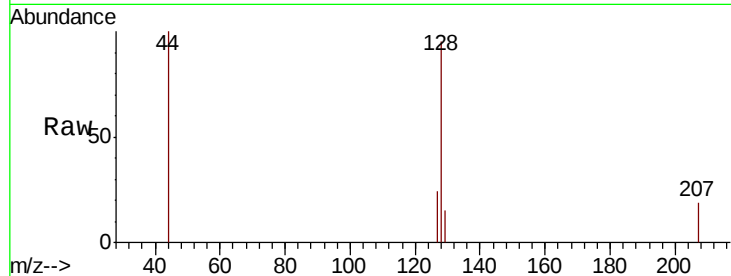
#95
Naphthalene
Concen: 1.39 ug/l
RT: 13.76 min Scan# 4095
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.5	15.7#
129	9.5	8.3	12.5

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#96
1,2,3-Trichlorobenzene
Concen: 0.28 ug/l
RT: 14.00 min Scan# 4170
Delta R.T. 0.01 min
Lab File: VU025668.D
Acq: 27 Jul 2018 14:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.0	47.8	143.3
145	16.7	15.6	46.8

