

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049669.D
 Acq On : 2 Jul 2018 15:09
 Operator : MD\SY
 Sample : J3811-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Jul 03 03:46:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1498451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2389062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2002199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	850533	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	990109	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	867391	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.09	98	3260787	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	12.40	95	967362	40.53	ug/l	0.00
Spiked Amount			Recovery	=	81.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	7302	0.35	ug/l	92
13) Acrolein	3.62	56	1550	1.46	ug/l	# 78
16) Acetone	3.82	43	25392	Below	Cal	93
17) Carbon Disulfide	4.05	76	4132	Below	Cal	# 90
18) Methyl Acetate	4.33	43	36901	Below	Cal	99
29) Tetrahydrofuran	7.22	42	1760	0.42	ug/l	# 52
31) Cyclohexane	7.67	56	27879	0.21	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	98162	3.65	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	132411	5.06	ug/l	# 16
43) Isopropyl Acetate	8.31	43	202719	6.00	ug/l	# 62
68) m/p-Xylenes	11.62	106	37250	1.13	ug/l	90
69) o-Xylene	11.95	106	40255	1.27	ug/l	96
71) Bromoform	12.40	173	7137	0.57	ug/l	# 1
73) Isopropylbenzene	12.25	105	29603	0.44	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.47	83	33	Below	Cal	# 25
76) 1,2,3-Trichloropropane	12.40	75	469910	34.45	ug/l	# 100
78) n-propylbenzene	12.59	91	83849	1.08	ug/l	100
79) 2-Chlorotoluene	12.66	91	53706	1.09	ug/l	# 41
80) 1,3,5-Trimethylbenzene	12.73	105	390782	6.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	469910	117.00	ug/l	# 13
82) 4-Chlorotoluene	12.73	91	37188	0.75	ug/l	# 40
84) 1,2,4-Trimethylbenzene	13.04	105	1301414	22.50	ug/l	99
85) sec-Butylbenzene	13.04	105	1301414	20.31	ug/l	# 56
86) p-Isopropyltoluene	13.29	119	27572	0.50	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	1259	Below	Cal	# 73
88) 1,4-Dichlorobenzene	13.37	146	1475	Below	Cal	# 25
90) Hexachloroethane	13.89	117	3158	0.54	ug/l	# 4
91) 1,2-Dichlorobenzene	13.66	146	1881	Below	Cal	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	356	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.91	180	774	2.45	ug/l	# 83
94) Hexachlorobutadiene	15.01	225	112	Below	Cal	# 20
95) Naphthalene	15.14	128	10976	4.33	ug/l	98
96) 1,2,3-Trichlorobenzene	15.33	180	1124	1.72	ug/l	# 76

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QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

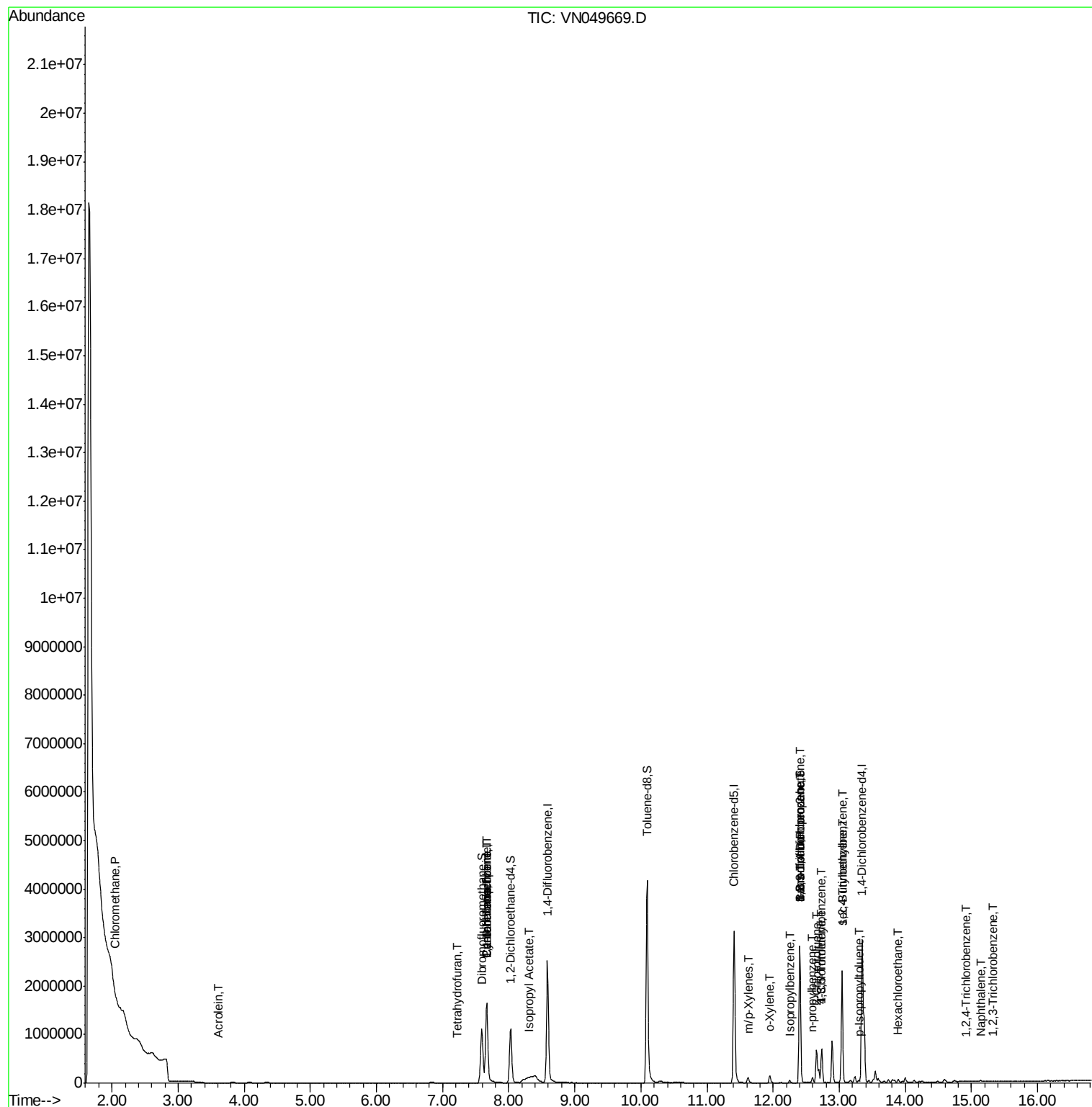
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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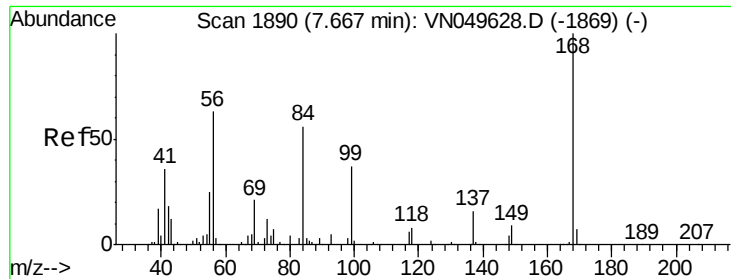
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

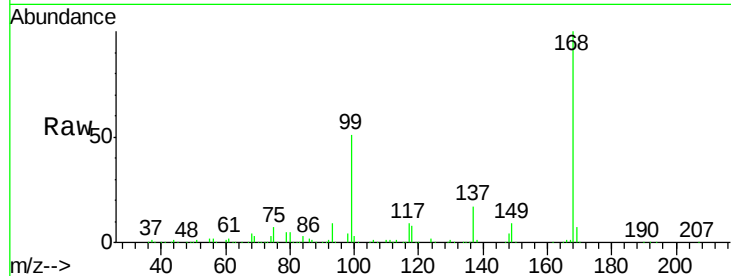
MW-5

Tot Ion:168 Resp: 1498451

Ion Ratio Lower Upper

168 100

99 51.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

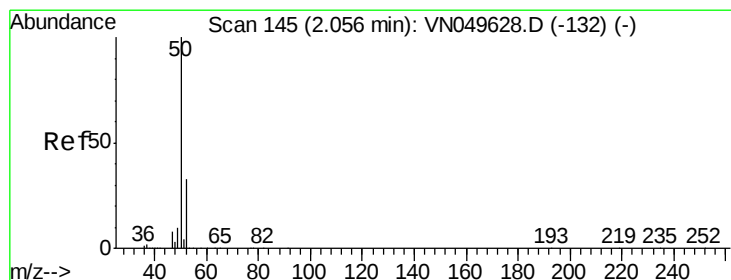
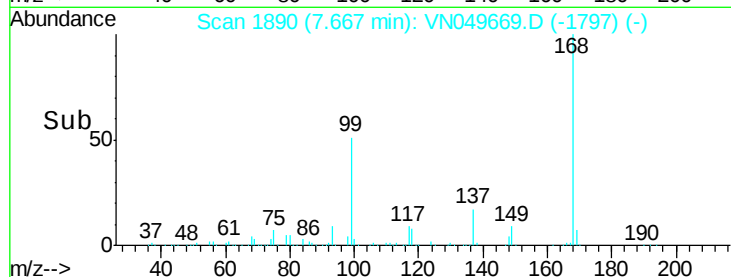
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049669.D

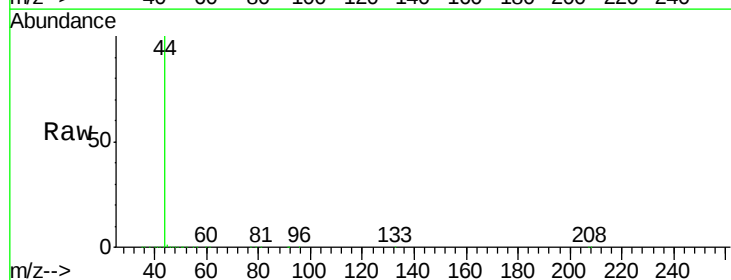
Acq: 2 Jul 2018 15:09

Tgt Ion: 50 Resp: 7302

Ion Ratio Lower Upper

50 100

52 37.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

6000

5000

4000

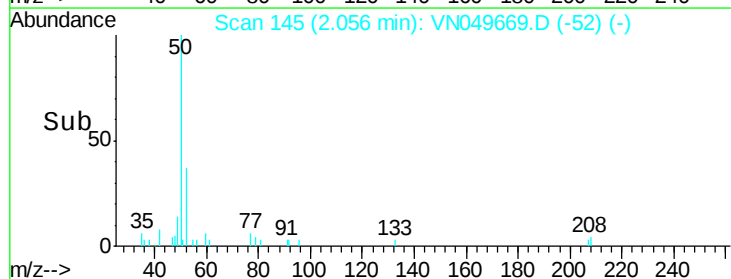
3000

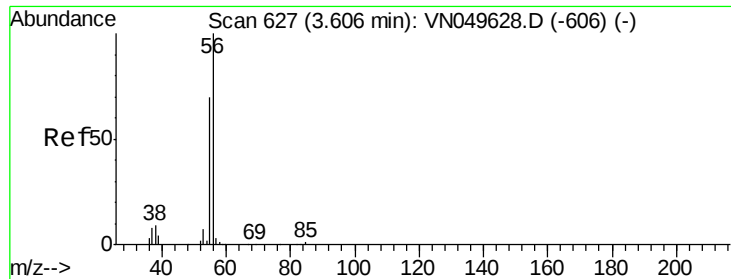
2000

1000

0

Time--> 2.00 2.05 2.10





#13

Acrolein

Concen: 1.46 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

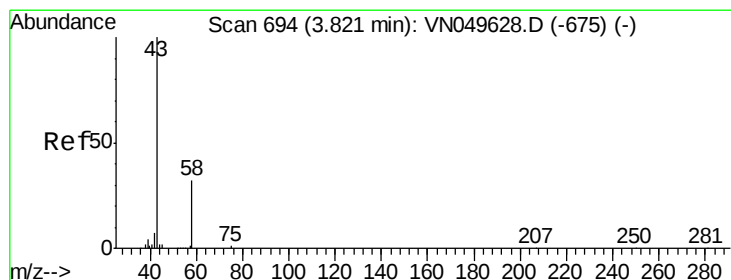
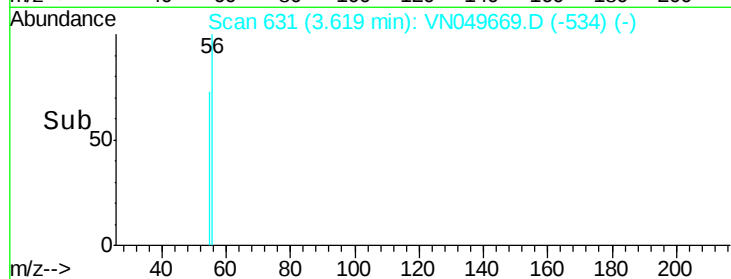
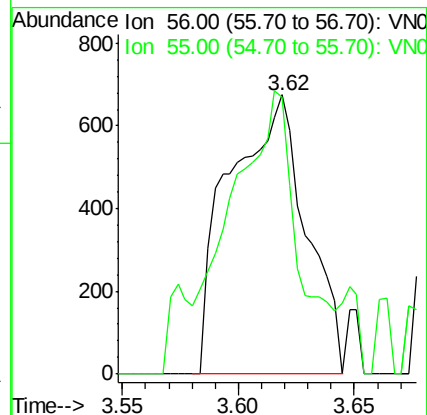
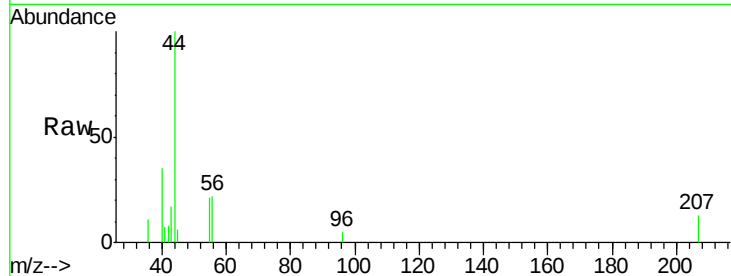
MW-5

Tot Ion: 56 Resp: 1550

Ion Ratio Lower Upper

56 100

55 87.9 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049669.D

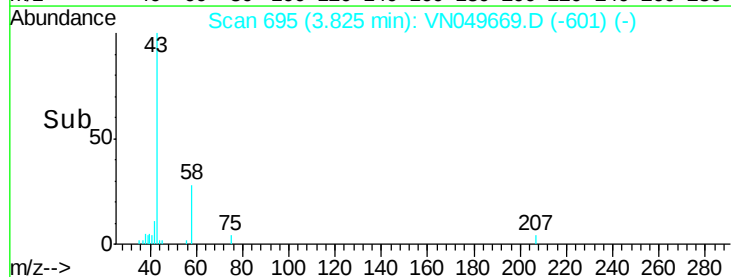
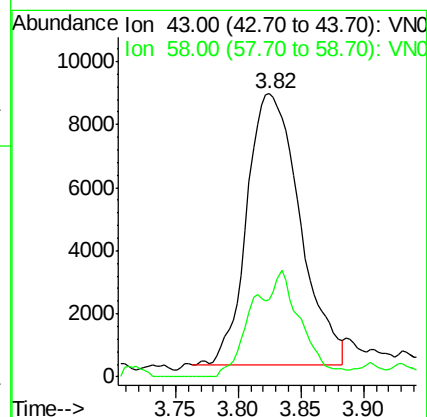
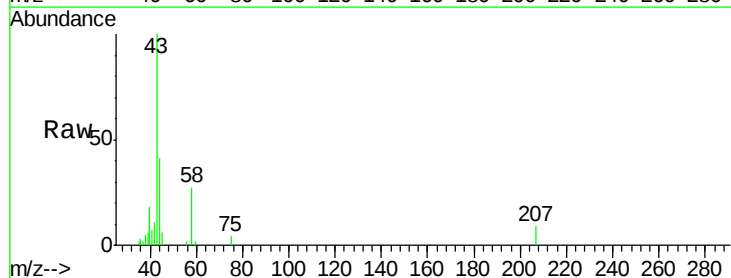
Acq: 2 Jul 2018 15:09

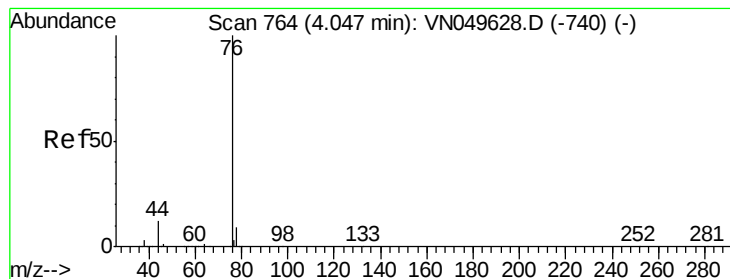
Tgt Ion: 43 Resp: 25392

Ion Ratio Lower Upper

43 100

58 28.7 25.9 38.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 766

Delta R.T. 0.01 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

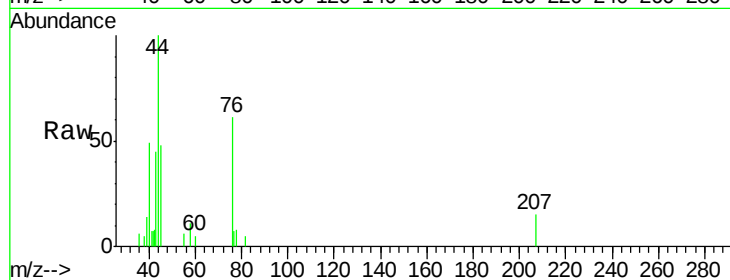
MW-5

Tot Ion: 76 Resp: 4132

Ion Ratio Lower Upper

76 100

78 12.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.05

1500

1000

500

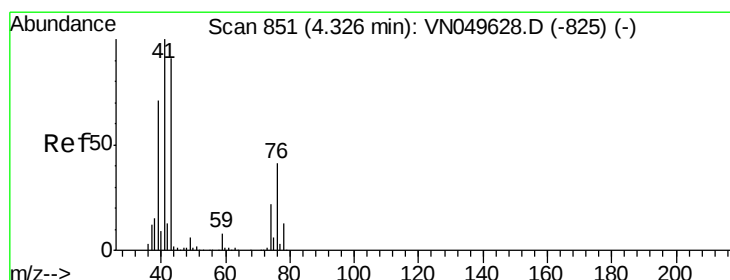
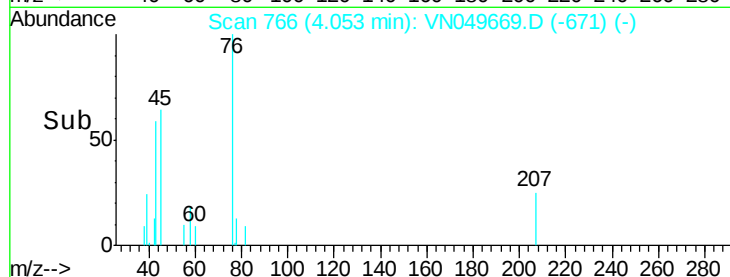
0

Time-->

4.00

4.05

4.10



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049669.D

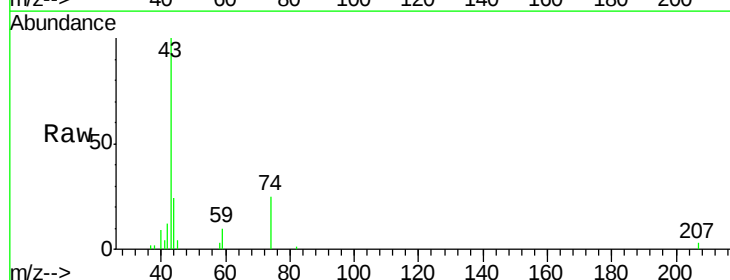
Acq: 2 Jul 2018 15:09

Tgt Ion: 43 Resp: 36901

Ion Ratio Lower Upper

43 100

74 24.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

4.33

15000

10000

5000

0

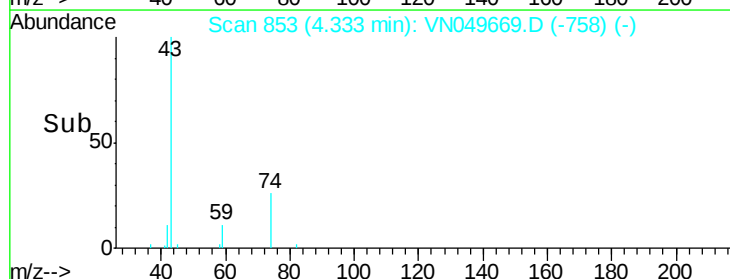
Time-->

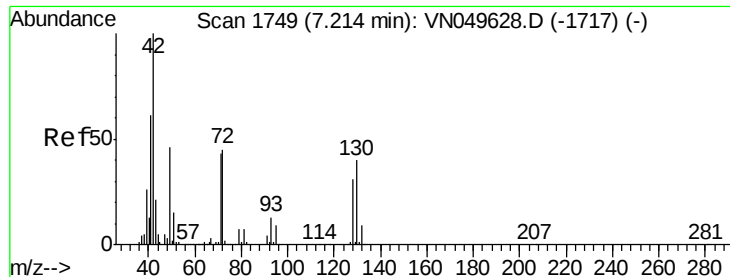
4.25

4.30

4.35

4.40





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

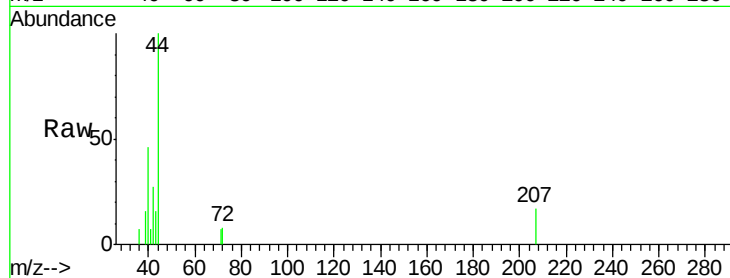
Tot Ion: 42 Resp: 1760

Ion Ratio Lower Upper

42 100

72 5.8 35.6 53.4#

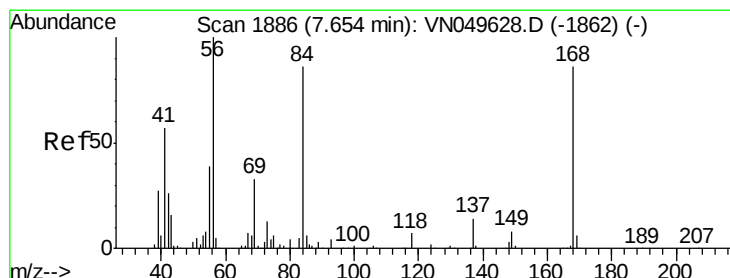
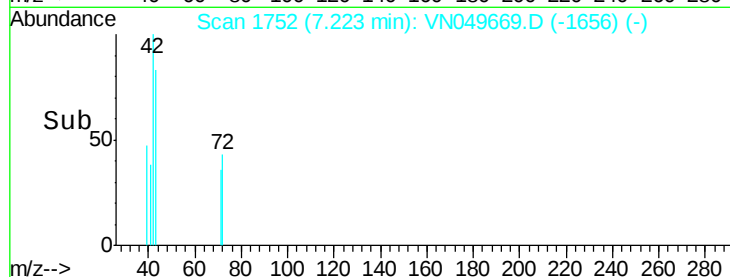
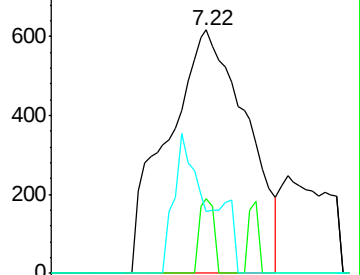
71 19.3 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN049628.D (-1717) (-)

Ion 72.00 (71.70 to 72.70): VN049628.D (-1717) (-)

Ion 71.00 (70.70 to 71.70): VN049628.D (-1717) (-)



#31

Cyclohexane

Concen: 0.21 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

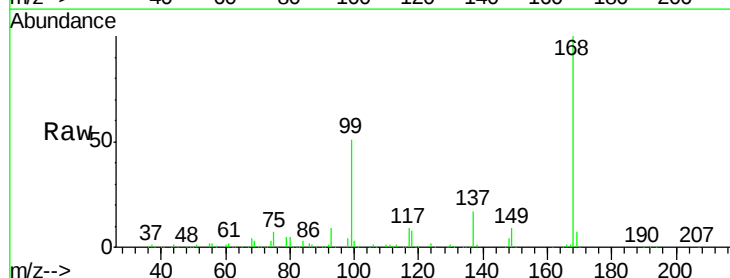
Tgt Ion: 56 Resp: 27879

Ion Ratio Lower Upper

56 100

69 178.7 26.6 40.0#

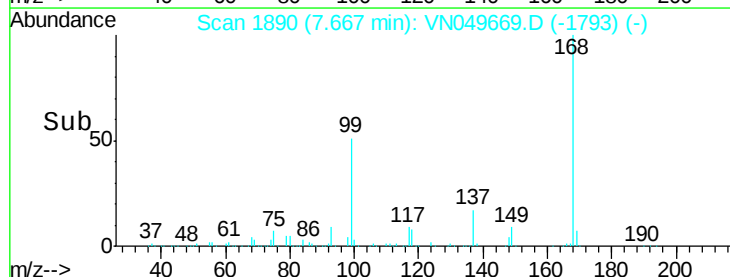
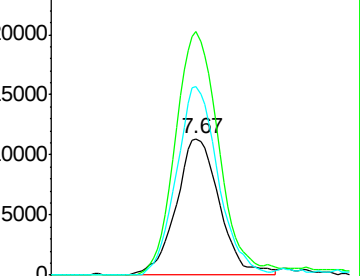
84 138.4 69.0 103.6#

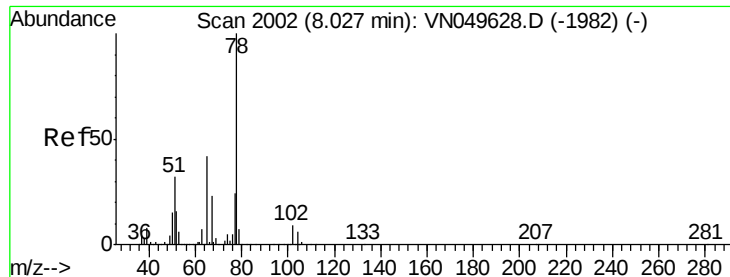


Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-1862) (-)

Ion 69.00 (68.70 to 69.70): VN049628.D (-1862) (-)

Ion 84.00 (83.70 to 84.70): VN049628.D (-1862) (-)

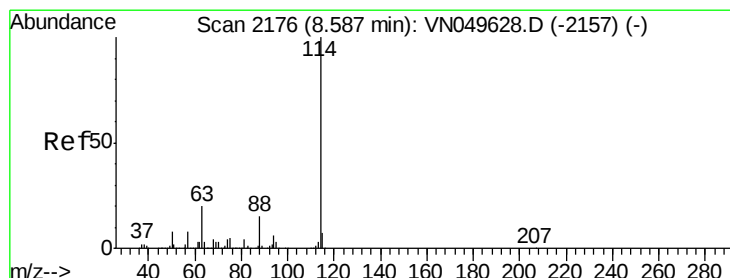
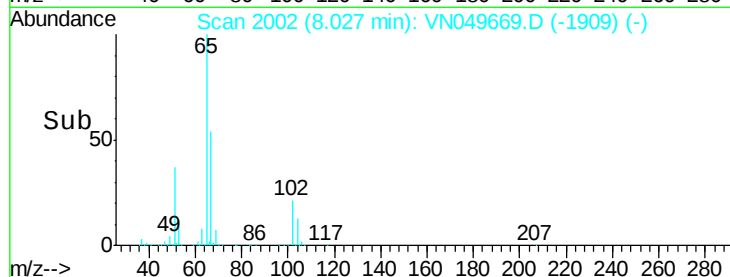
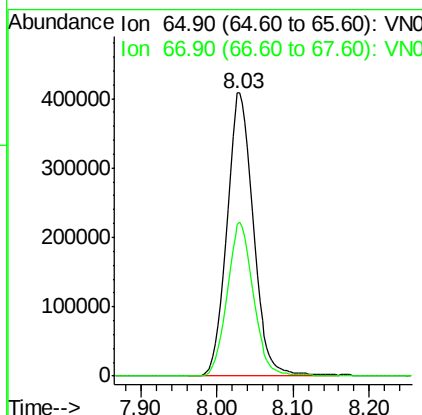
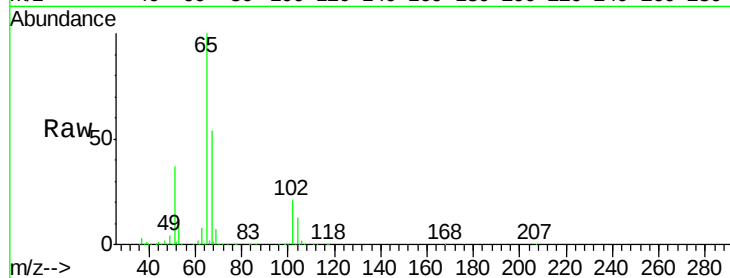




#33
 1,2-Dichloroethane-d4
 Concen: 50.03 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

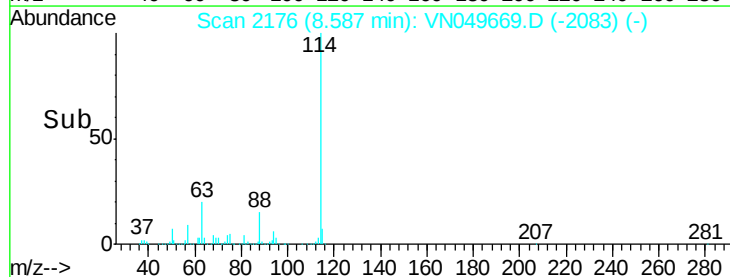
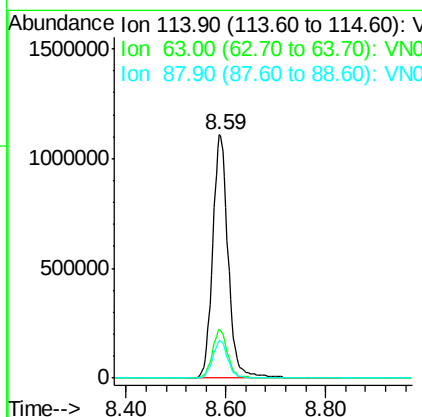
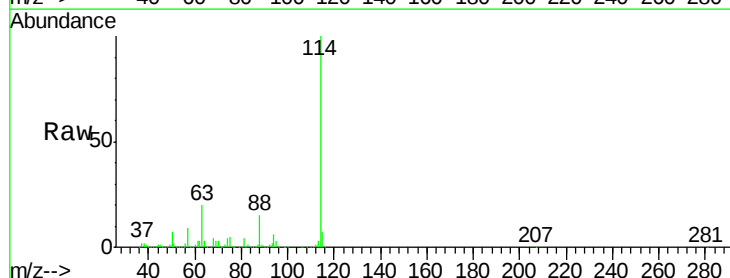
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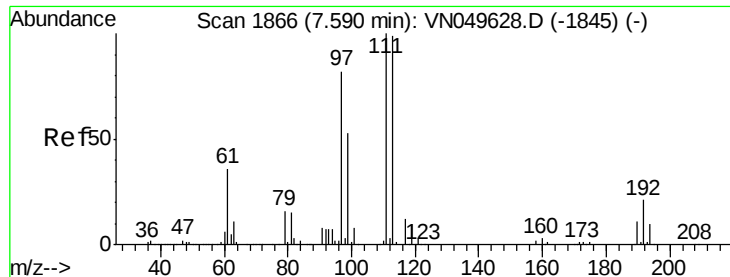
Tot Ion: 65 Resp: 990109
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Tgt Ion: 114 Resp: 2389062
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.4 0.0 30.6

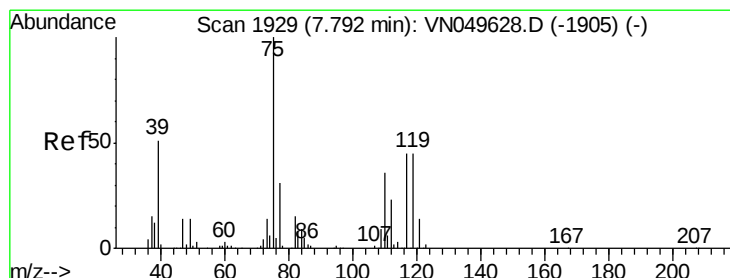
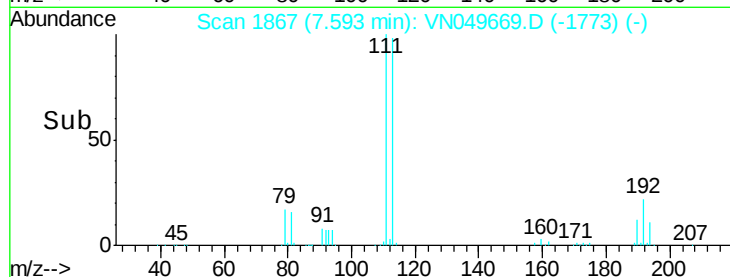
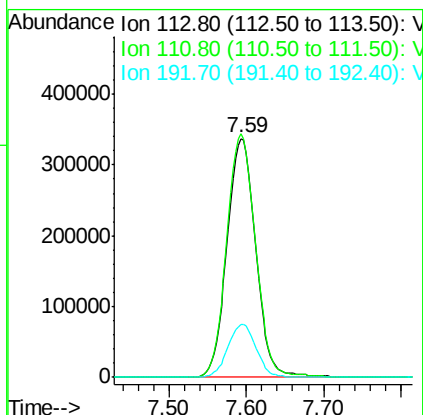
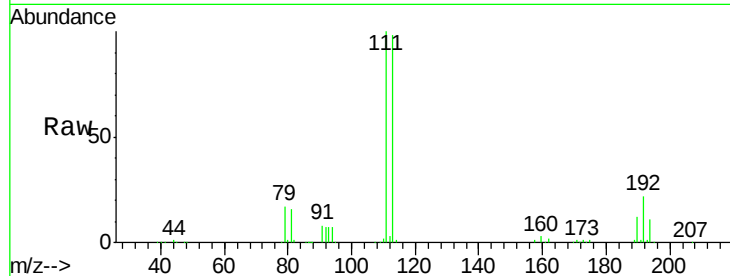




#35
 Dibromofluoromethane
 Concen: 48.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

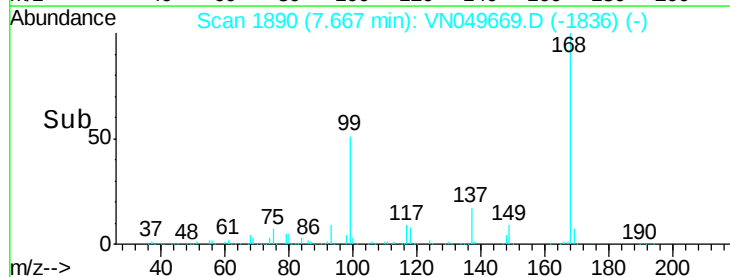
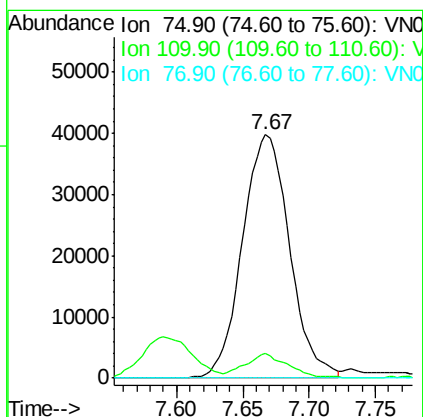
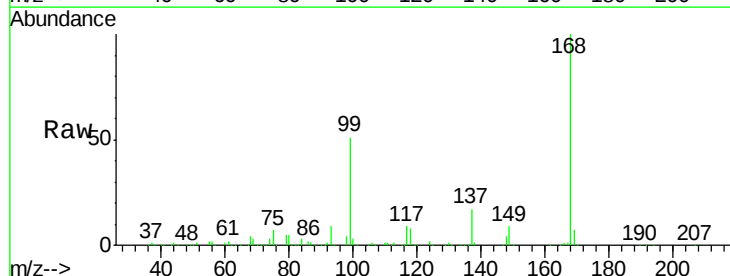
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

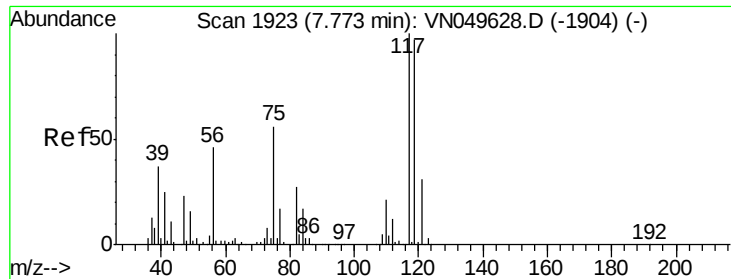
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	22.0	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.1	24.9	37.3#

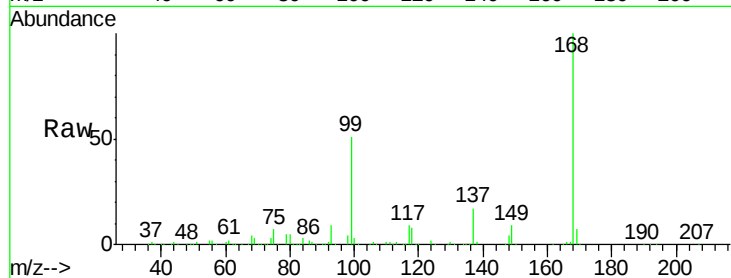




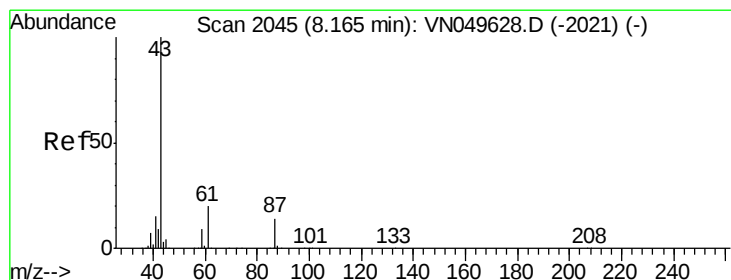
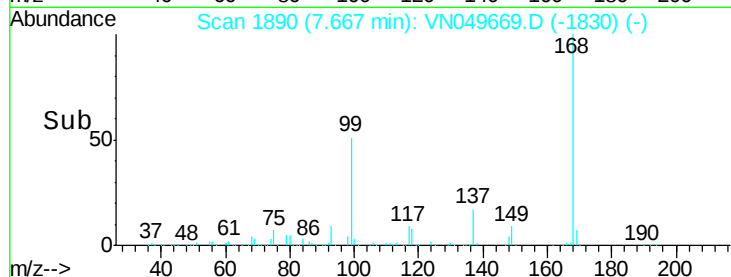
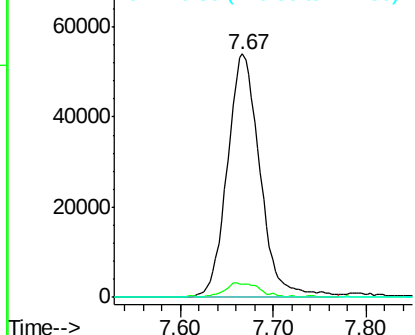
#38
Carbon Tetrachloride
Concen: 5.06 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion:117 Resp: 132411
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 25.0 37.6#

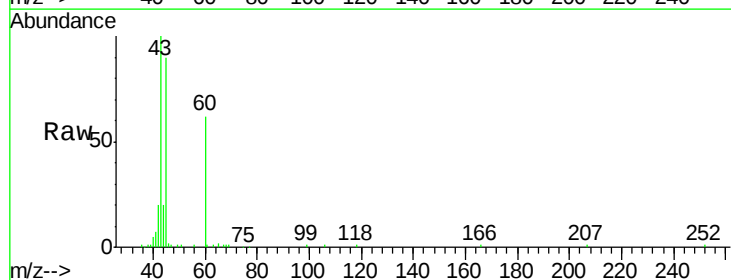


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

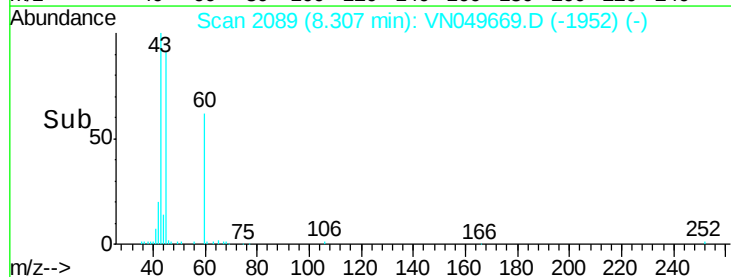
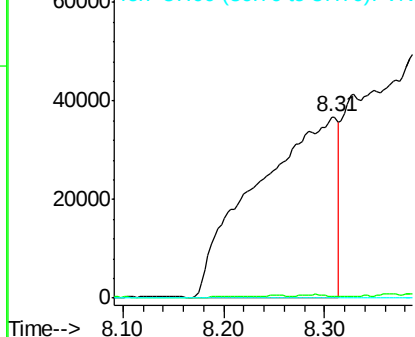


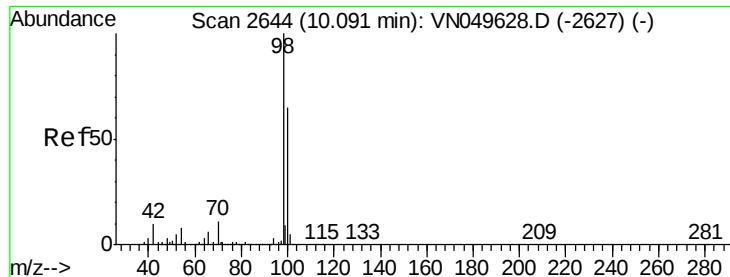
#43
Isopropyl Acetate
Concen: 6.00 ug/l
RT: 8.31 min Scan# 2089
Delta R.T. 0.14 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Tgt Ion: 43 Resp: 202719
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

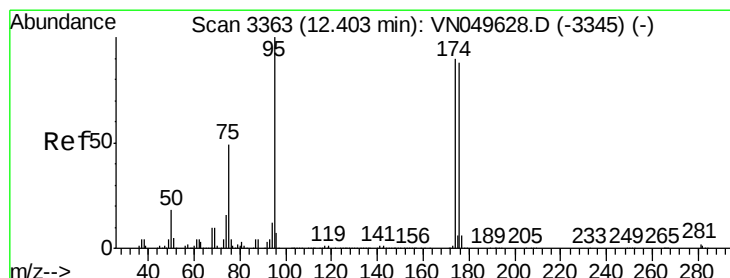
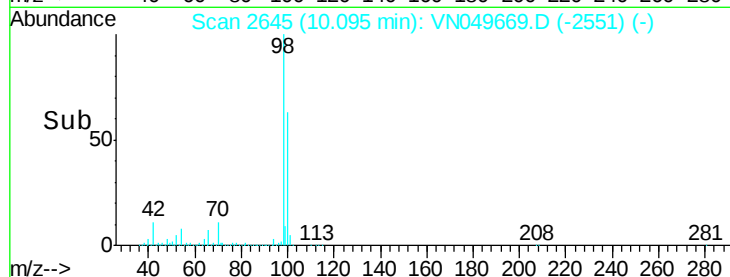
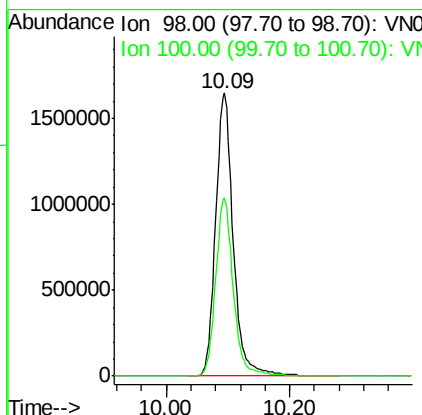
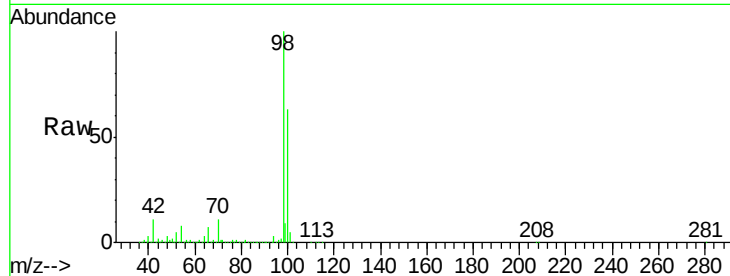




#50
Toluene-d8
Concen: 46.64 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

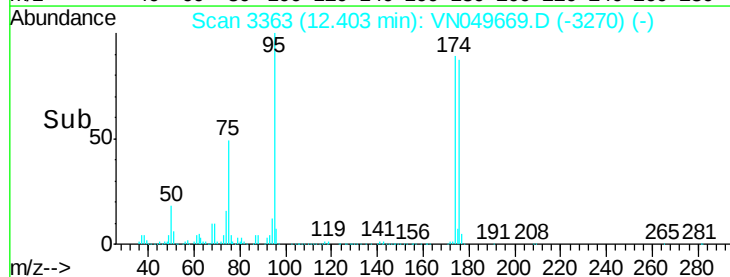
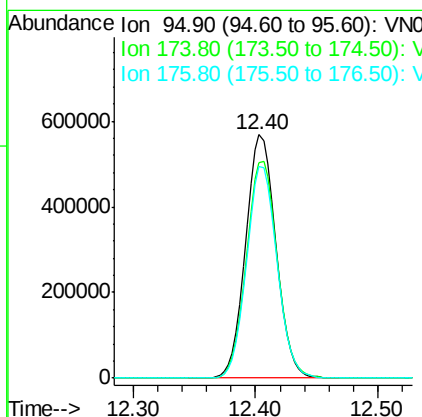
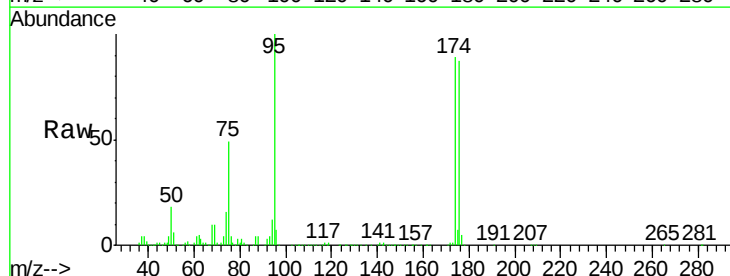
Instrument :
MSVOA_N
ClientSampled :
MW-5

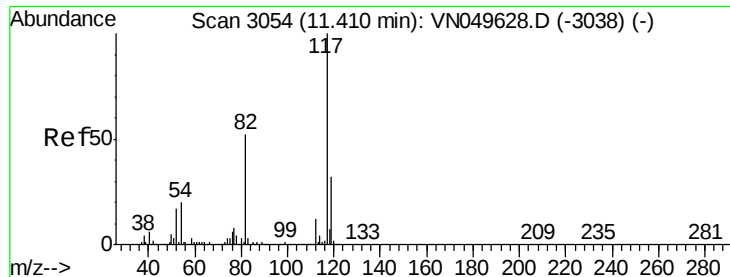
Tot Ion: 98 Resp: 3260787
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 40.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Tgt Ion: 95 Resp: 967362
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.6
176 87.4 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

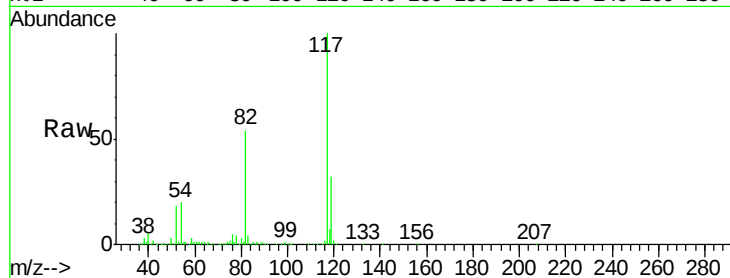
Tot Ion:117 Resp: 2002199

Ion Ratio Lower Upper

117 100

82 54.0 41.9 62.9

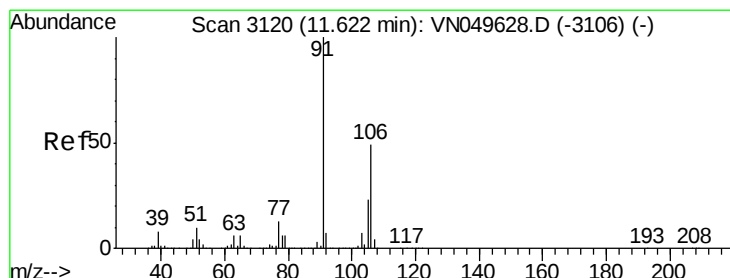
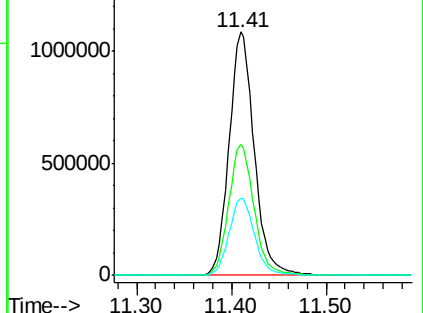
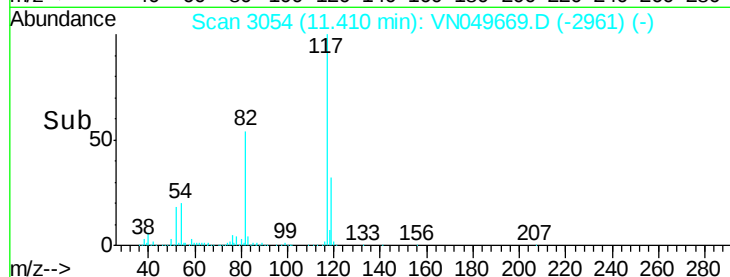
119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 1.13 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049669.D

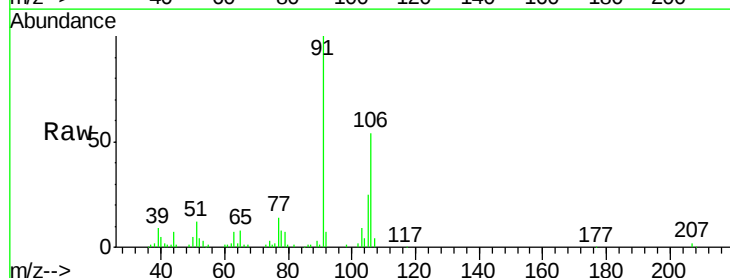
Acq: 2 Jul 2018 15:09

Tgt Ion:106 Resp: 37250

Ion Ratio Lower Upper

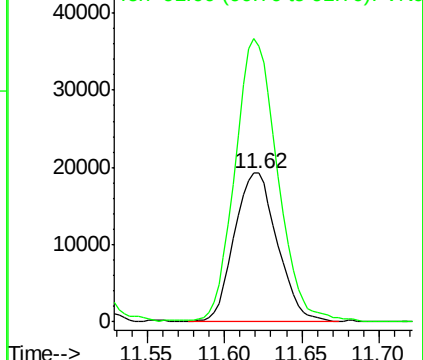
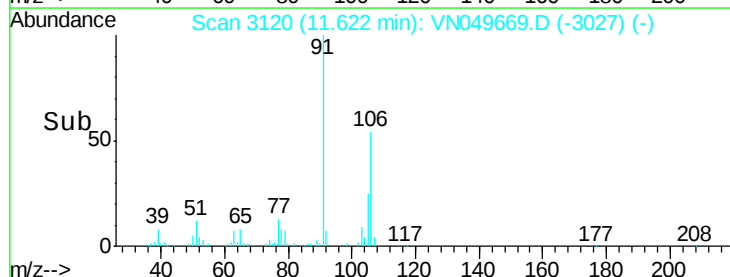
106 100

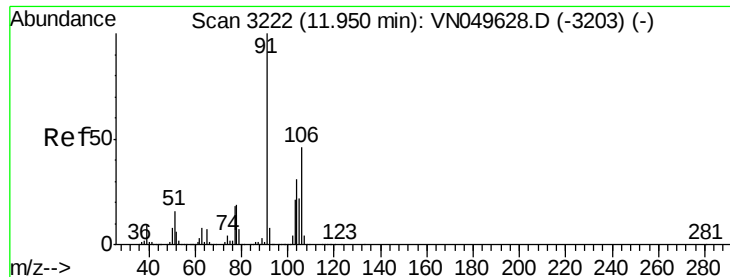
91 188.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

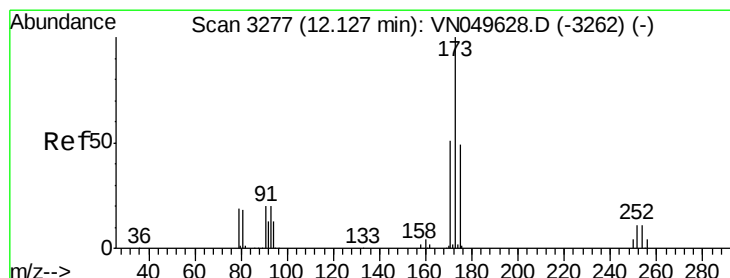
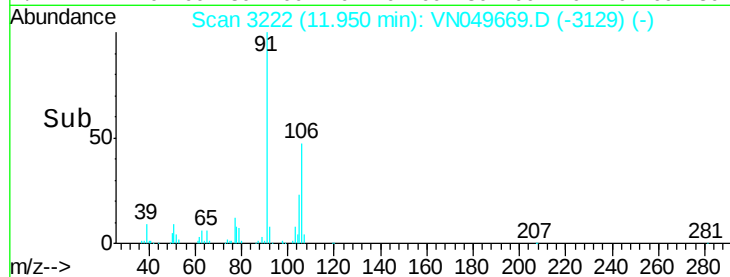
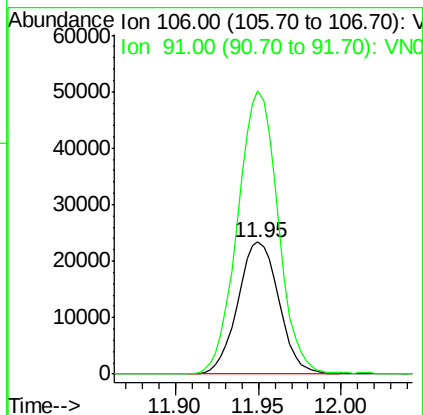
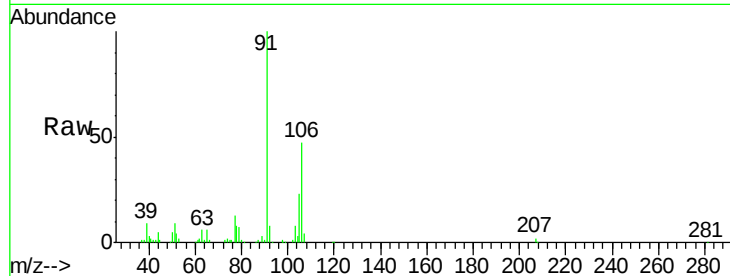




#69
o-Xylene
Concen: 1.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

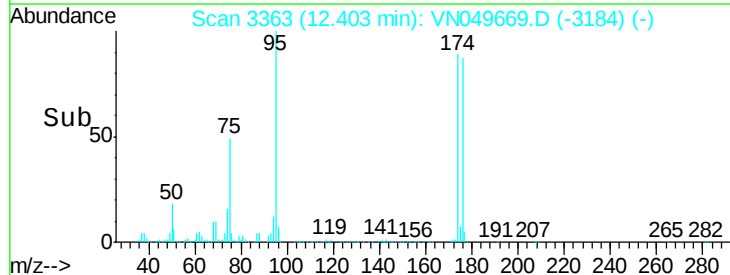
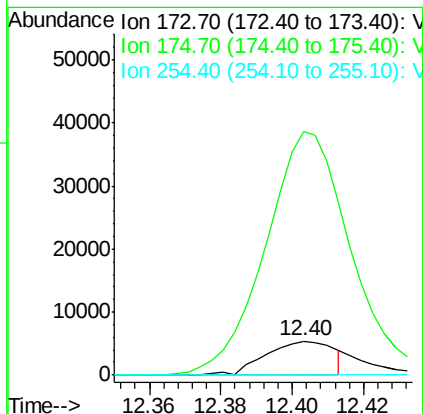
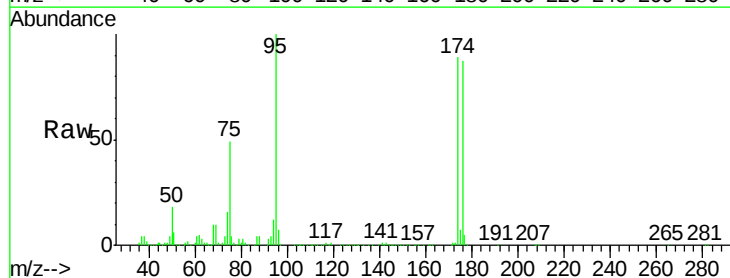
Instrument :
MSVOA_N
ClientSampled :
MW-5

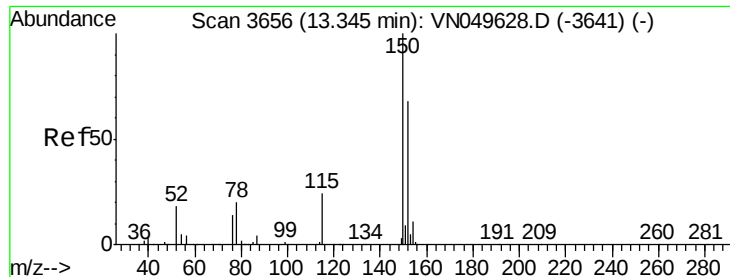
Tot Ion:106 Resp: 40255
Ion Ratio Lower Upper
106 100
91 211.6 108.7 326.1



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049669.D
Acq: 2 Jul 2018 15:09

Tgt Ion:173 Resp: 7137
Ion Ratio Lower Upper
173 100
175 722.8 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

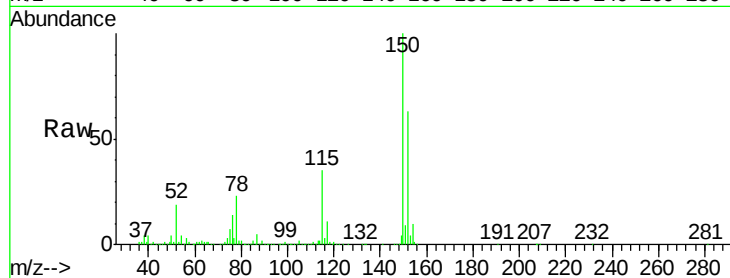
Tot Ion:152 Resp: 850533

Ion Ratio Lower Upper

152 100

115 60.2 28.1 84.2

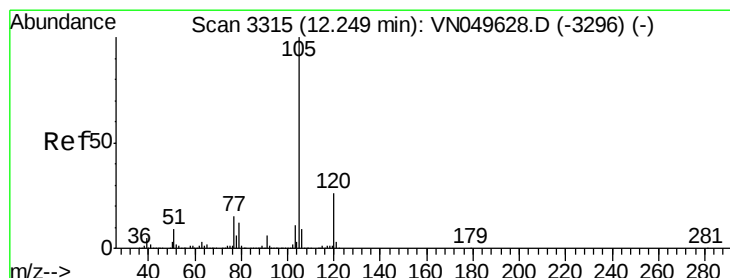
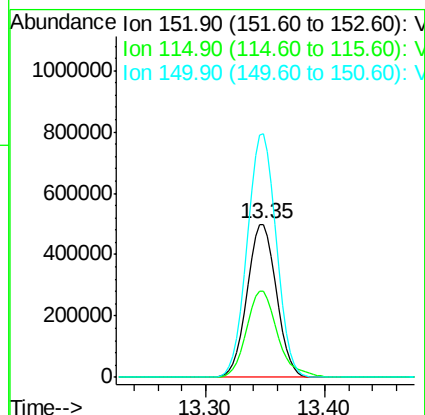
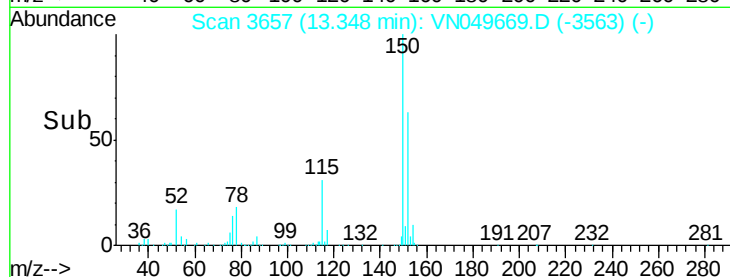
150 158.1 0.0 347.6



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: 0.44 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049669.D

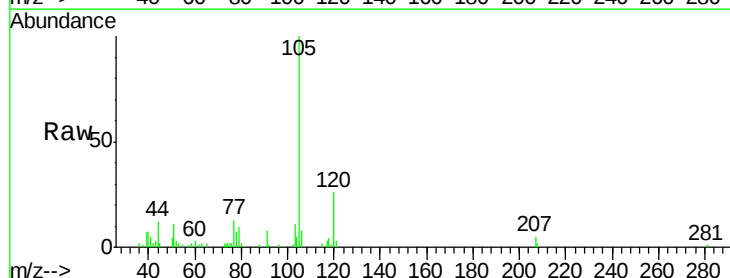
Acq: 2 Jul 2018 15:09

Tgt Ion:105 Resp: 29603

Ion Ratio Lower Upper

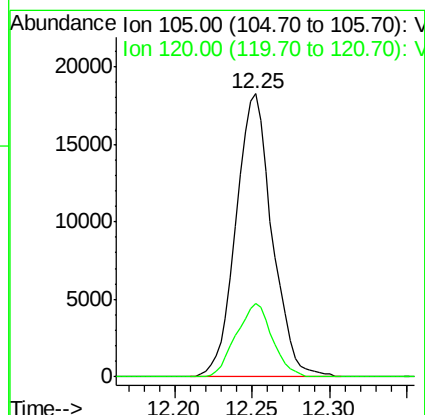
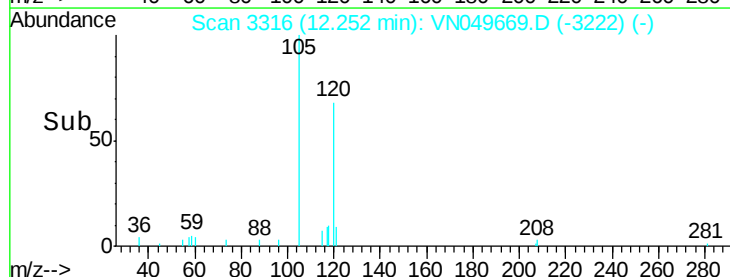
105 100

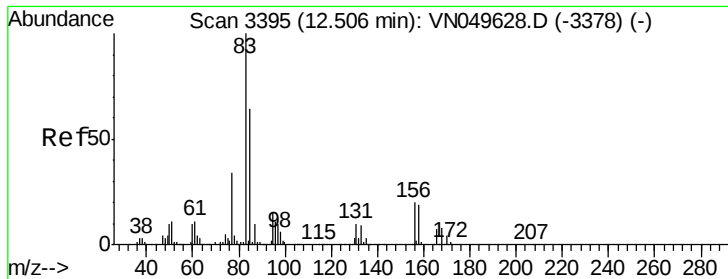
120 25.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3383

Delta R.T. -0.04 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

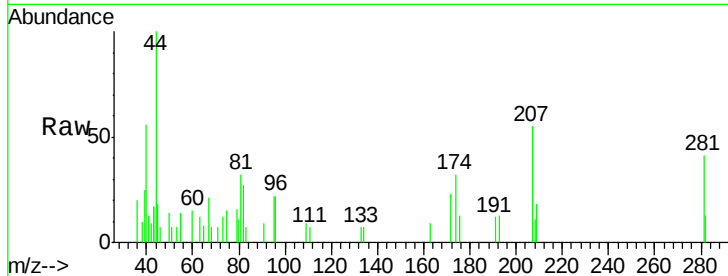
Tot Ion: 83 Resp: 33

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

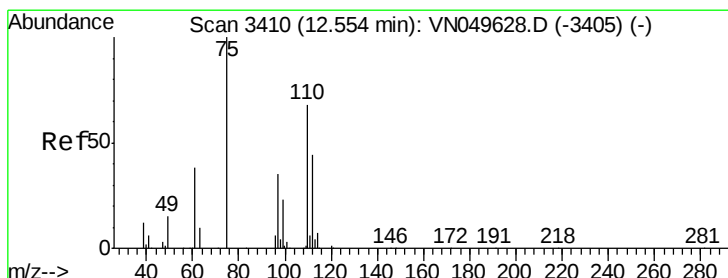
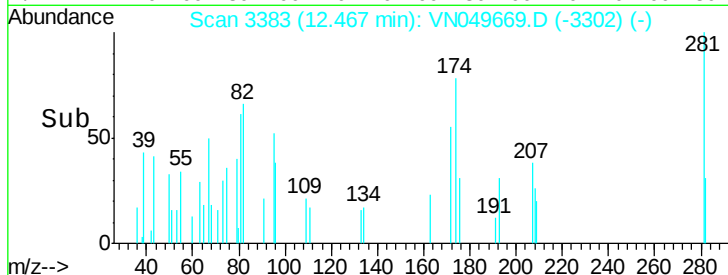
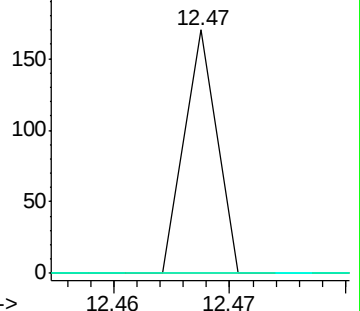
85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VN049669.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049669.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049669.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 34.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049669.D

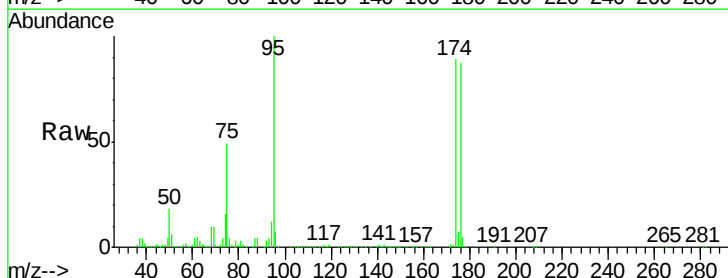
Acq: 2 Jul 2018 15:09

Tgt Ion: 75 Resp: 469910

Ion Ratio Lower Upper

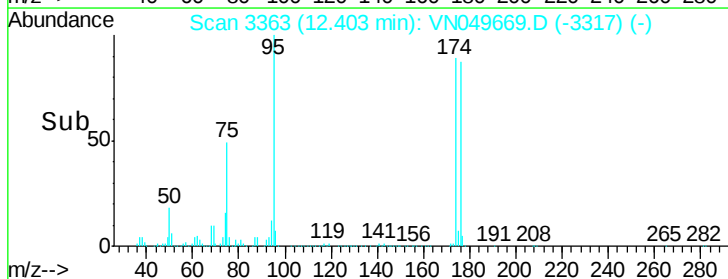
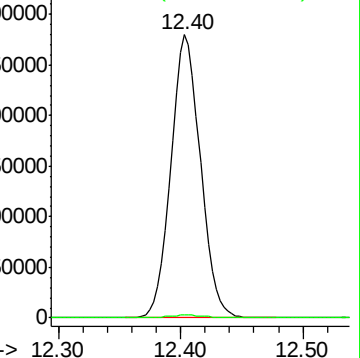
75 100

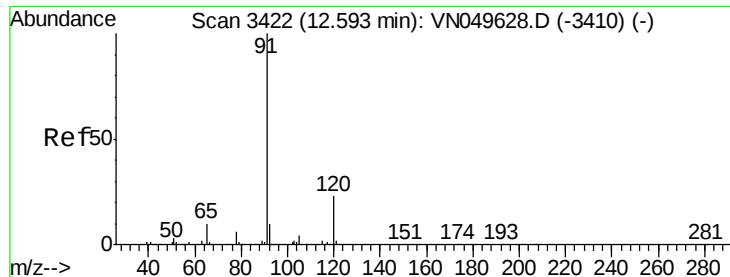
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049669.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049669.D (-3317) (-)





#78

n-propylbenzene

Concen: 1.08 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

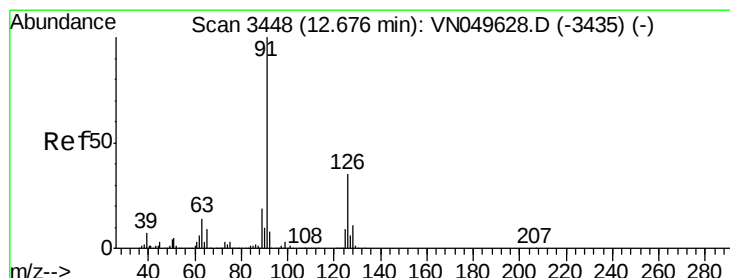
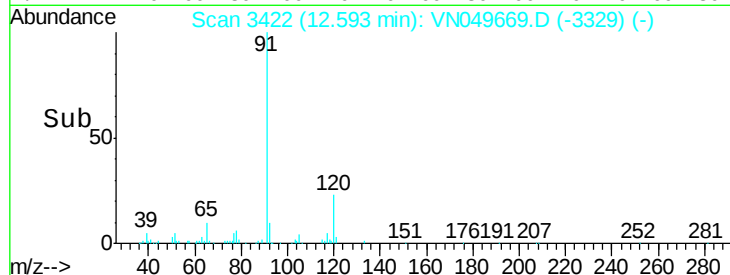
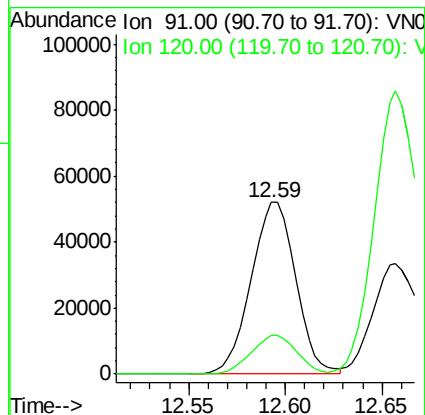
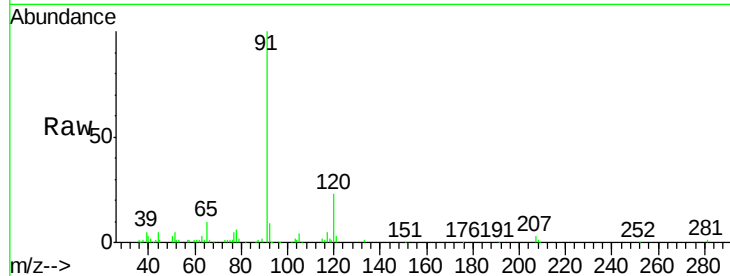
MW-5

Tot Ion: 91 Resp: 83849

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#79

2-Chlorotoluene

Concen: 1.09 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049669.D

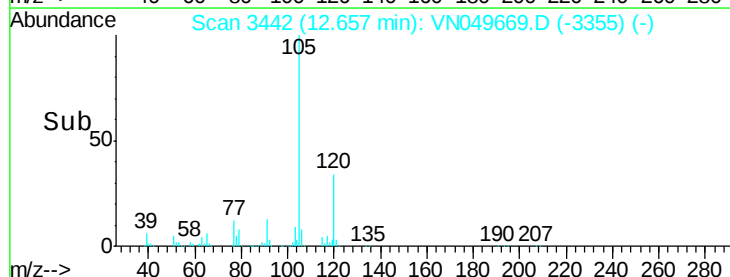
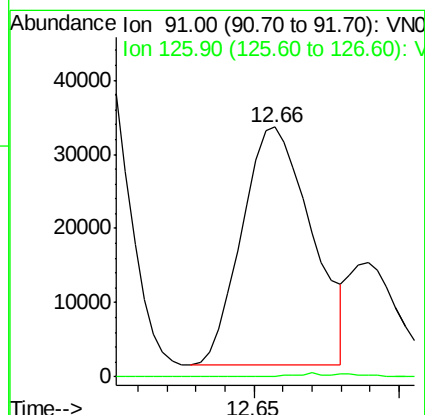
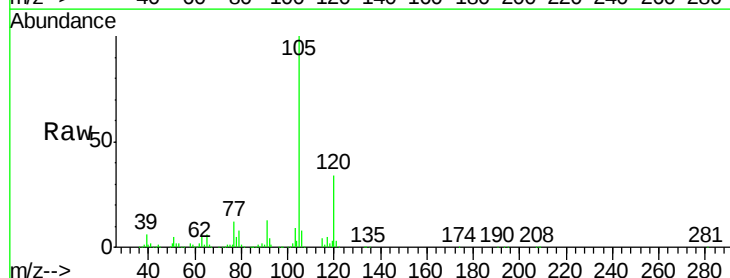
Acq: 2 Jul 2018 15:09

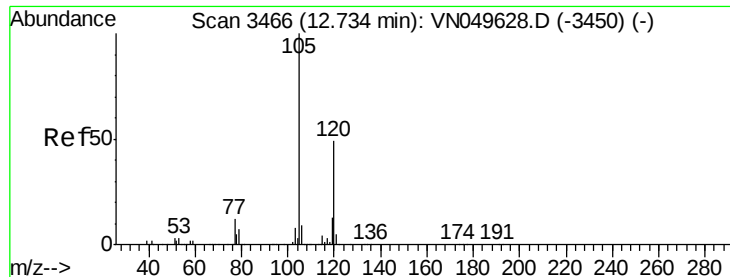
Tgt Ion: 91 Resp: 53706

Ion Ratio Lower Upper

91 100

126 0.6 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 6.94 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

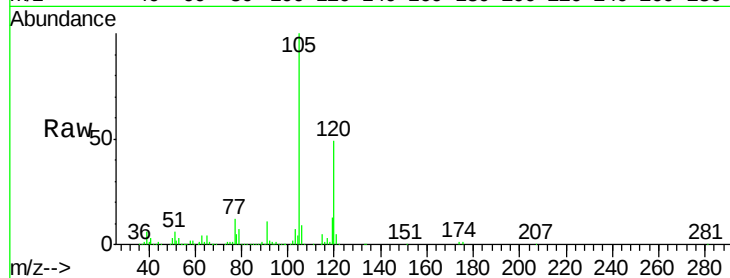
MW-5

Tot Ion:105 Resp: 390782

Ion Ratio Lower Upper

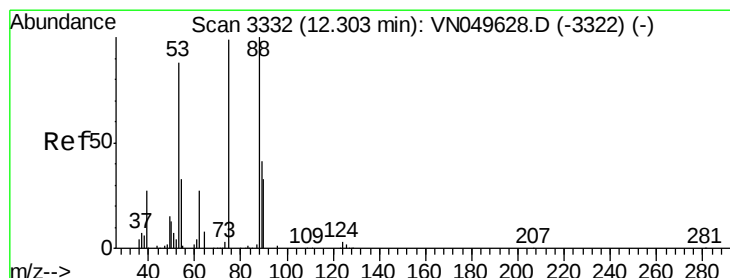
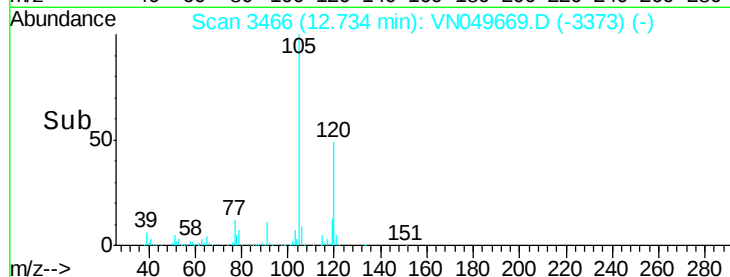
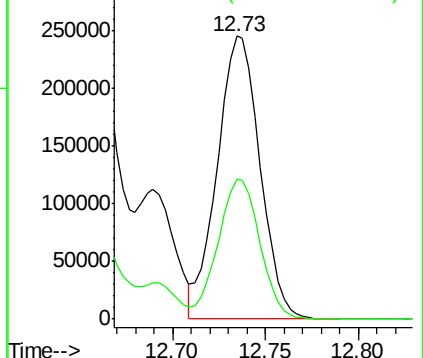
105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 117.00 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

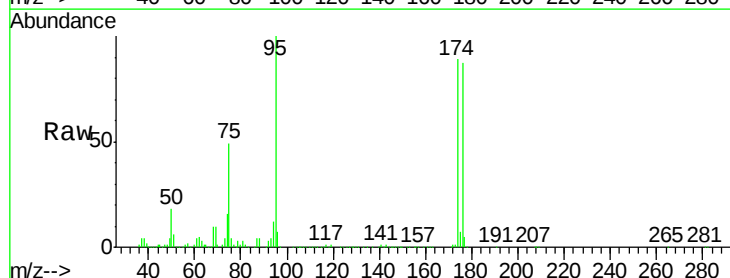
Tgt Ion: 75 Resp: 469910

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

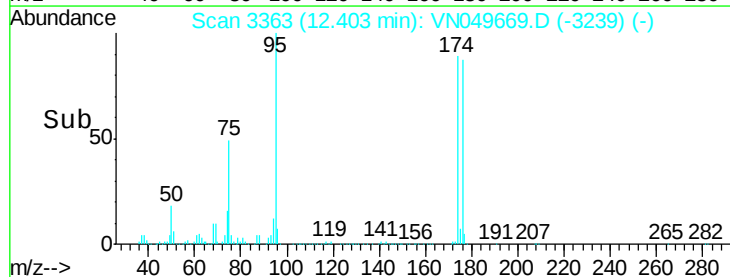
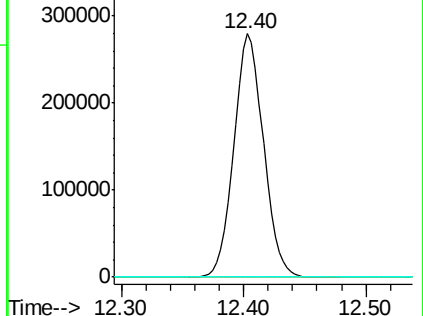
89 0.0 35.9 53.9#

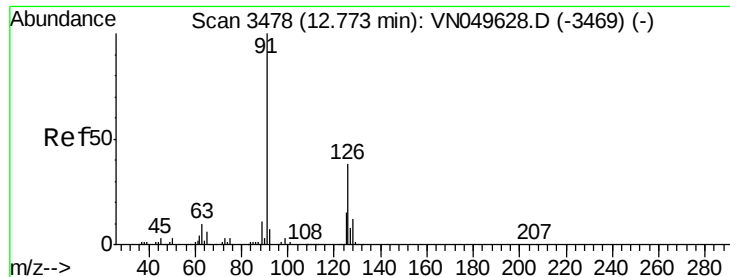


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.75 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

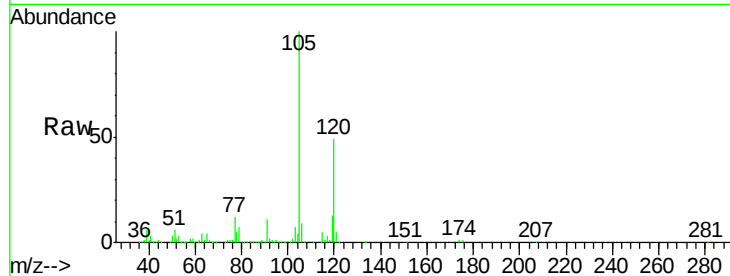
MW-5

Tot Ion: 91 Resp: 37188

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3469) (-)

12.73

Time-->

Abundance

Scan 3466 (12.734 min): VN049669.D (-3385) (-)

Sub

m/z-->

Mass spectrum showing relative abundance (0 to 50) versus m/z (40 to 280). Key peaks are labeled: 39, 58, 77, 105, 120, 151, 174.

Abundance

Scan 3561 (13.040 min): VN049628.D (-3533) (-)

Ref

m/z-->

Mass spectrum showing relative abundance (0 to 50) versus m/z (40 to 220). Key peaks are labeled: 37, 51, 65, 77, 91, 105, 120, 134, 167, 201.

#84

1,2,4-Trimethylbenzene

Concen: 22.50 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049669.D

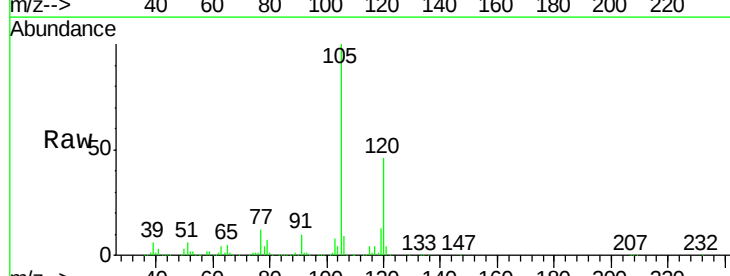
Acq: 2 Jul 2018 15:09

Tgt Ion:105 Resp: 1301414

Ion Ratio Lower Upper

105 100

120 46.3 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3533) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3533) (-)

13.04

Time-->

Abundance

Scan 3562 (13.043 min): VN049669.D (-3468) (-)

Sub

m/z-->

Mass spectrum showing relative abundance (0 to 50) versus m/z (40 to 220). Key peaks are labeled: 39, 51, 65, 77, 91, 105, 120, 133, 147, 209, 232.

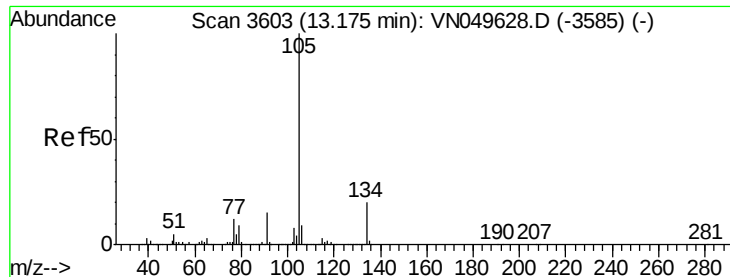
Abundance

Scan 3561 (13.040 min): VN049628.D (-3533) (-)

Ref

m/z-->

Mass spectrum showing relative abundance (0 to 50) versus m/z (40 to 220). Key peaks are labeled: 37, 51, 65, 77, 91, 105, 120, 134, 167, 201.



#85

sec-Butylbenzene

Concen: 20.31 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

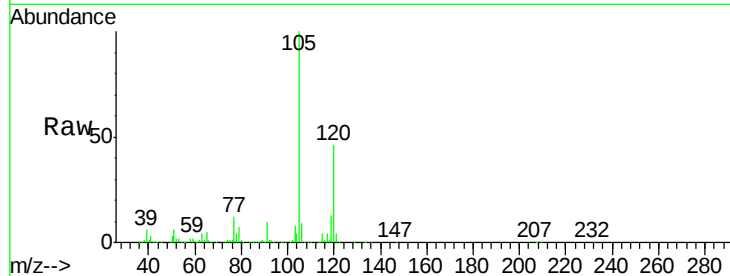
MW-5

Tot Ion:105 Resp: 1301414

Ion Ratio Lower Upper

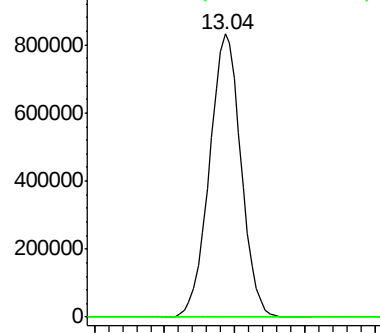
105 100

134 0.0 10.1 30.1#

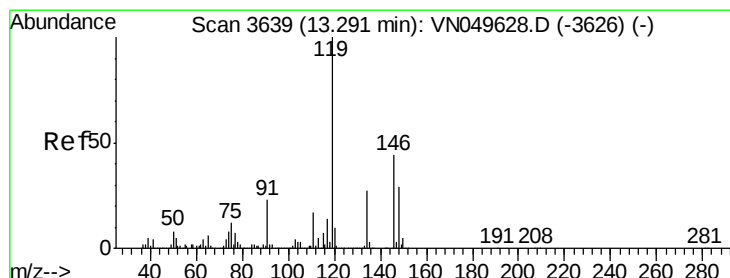
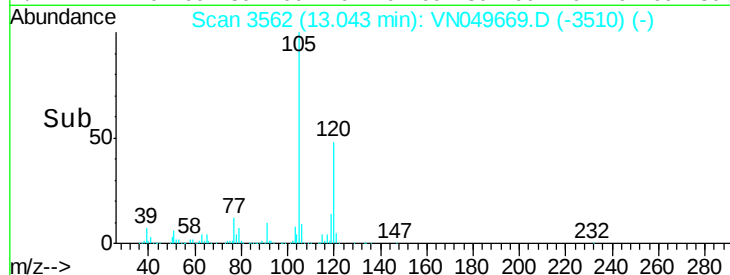


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 0.50 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

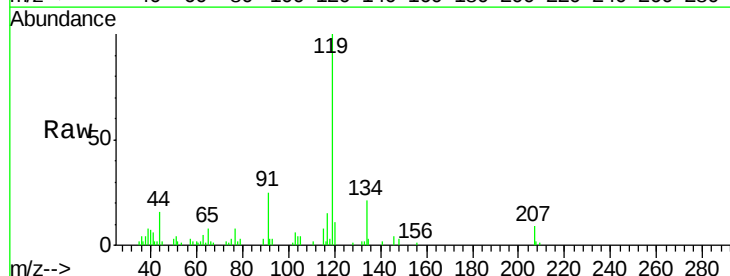
Tgt Ion:119 Resp: 27572

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

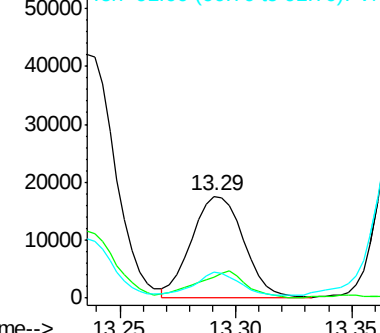
91 19.4 11.4 34.1



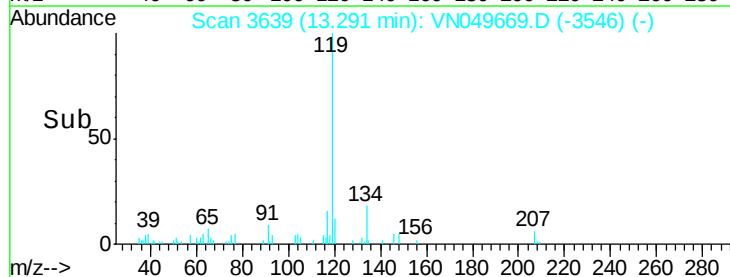
Abundance Ion 119.00 (118.70 to 119.70): V

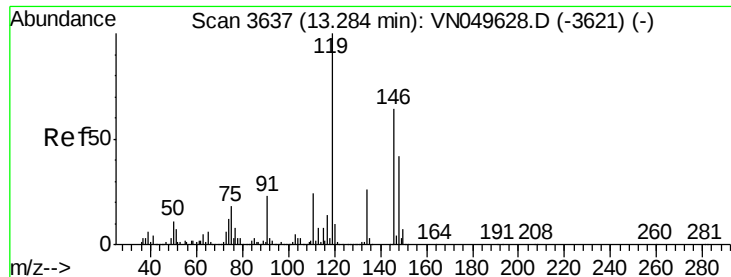
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

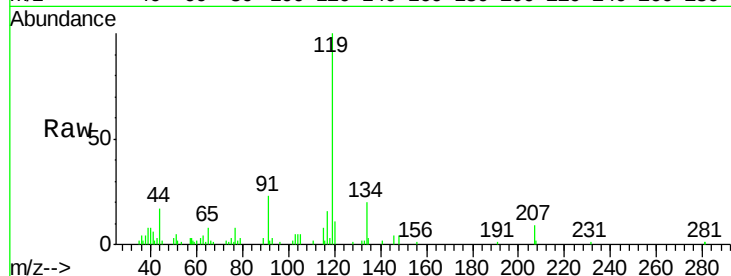
Tot Ion:146 Resp: 1259

Ion Ratio Lower Upper

146 100

111 0.0 19.0 57.0#

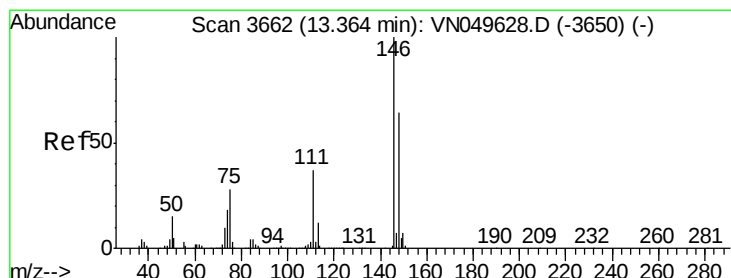
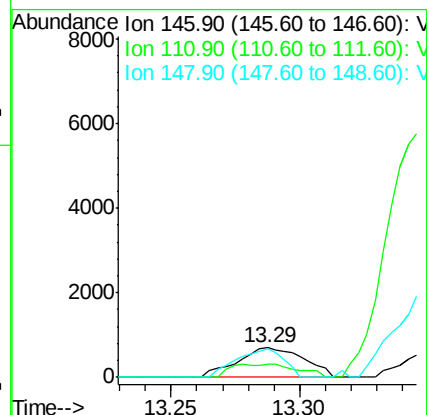
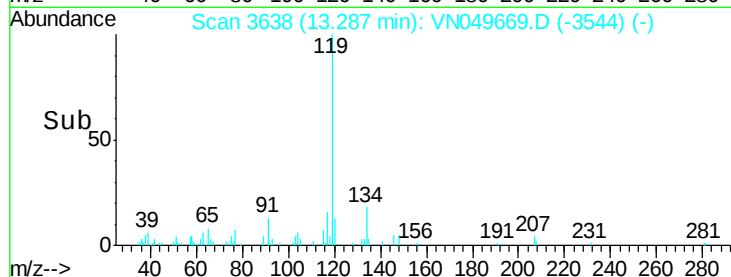
148 69.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

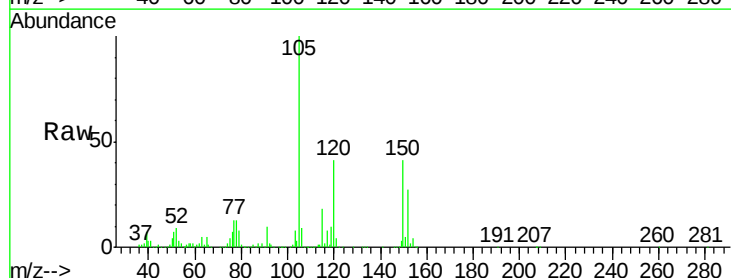
Tgt Ion:146 Resp: 1475

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.5#

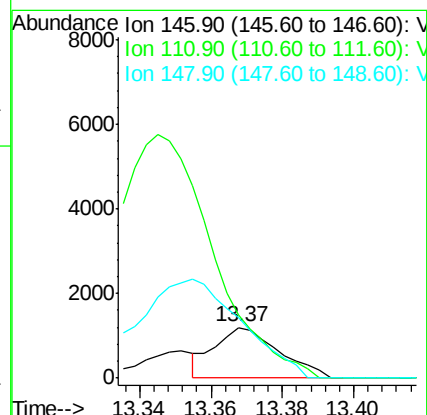
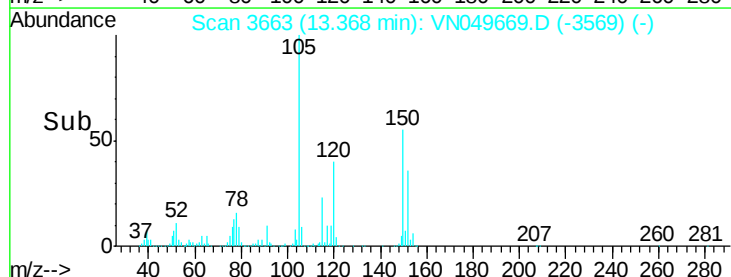
148 0.0 32.1 96.3#

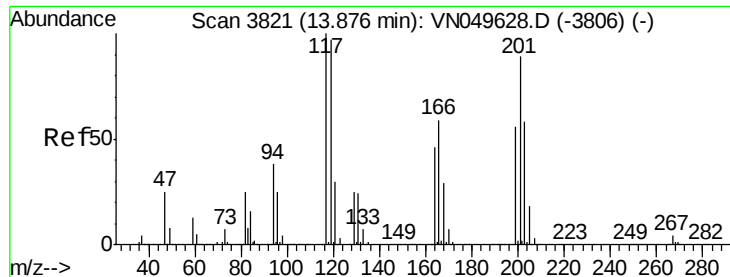


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 0.54 ua/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

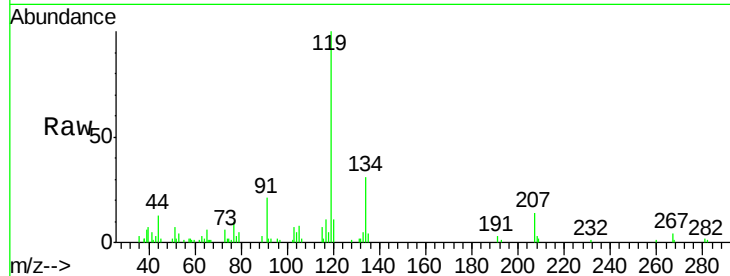
MW-5

Tot Ion:117 Resp: 3158

Ion Ratio Lower Upper

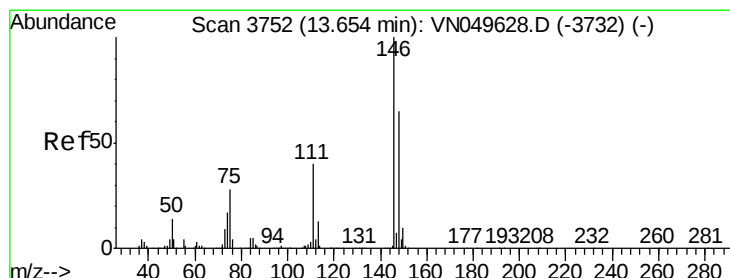
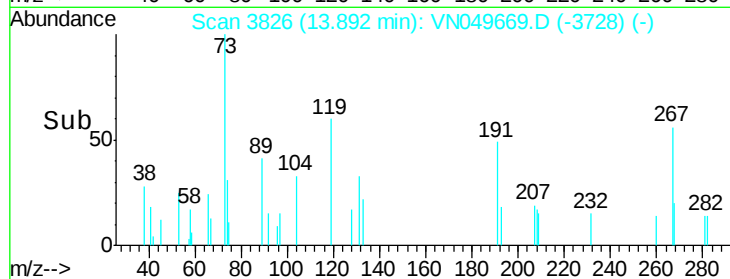
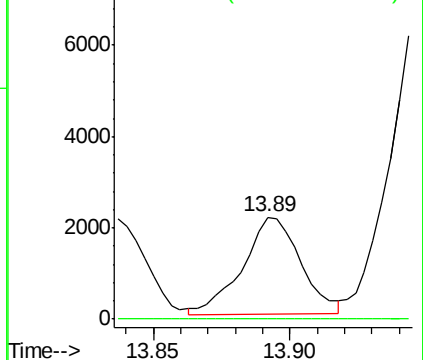
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

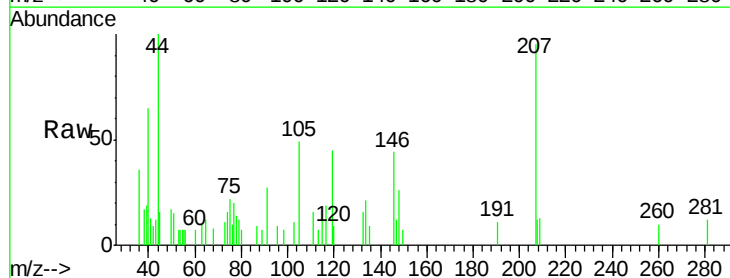
Tgt Ion:146 Resp: 1881

Ion Ratio Lower Upper

146 100

111 33.1 19.7 59.1

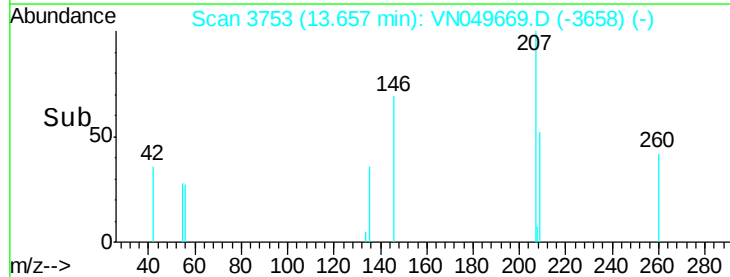
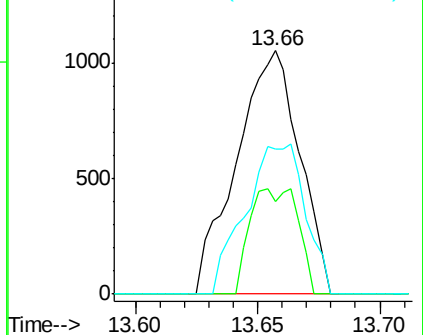
148 58.5 32.0 96.2

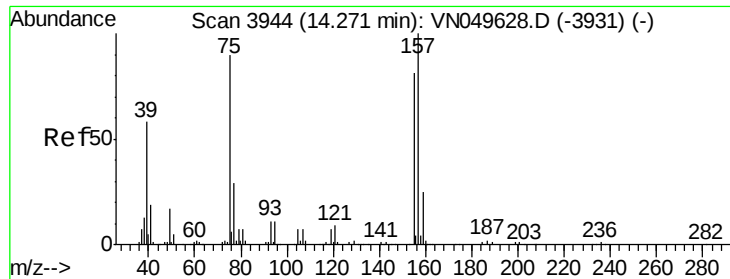


Abundance Ion 145.90 (145.60 to 146.60): V

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: Below Cal

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampled :

MW-5

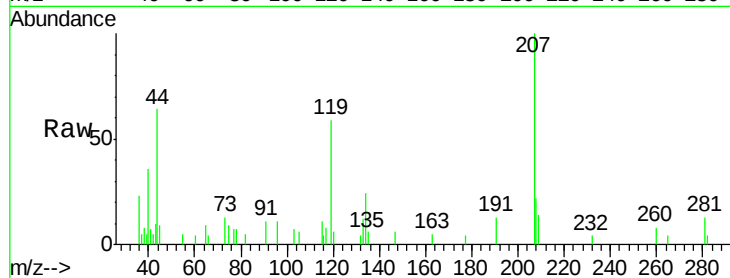
Tot Ion: 75 Resp: 356

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

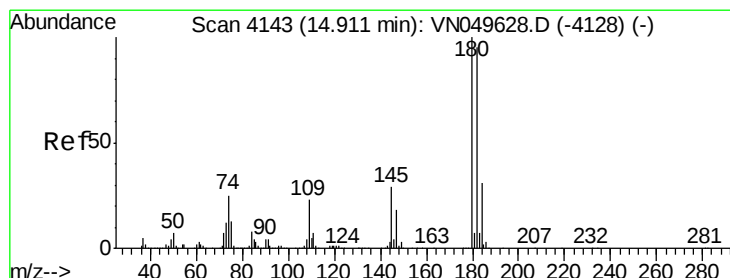
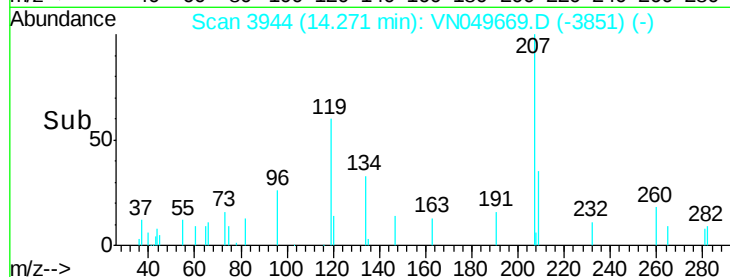
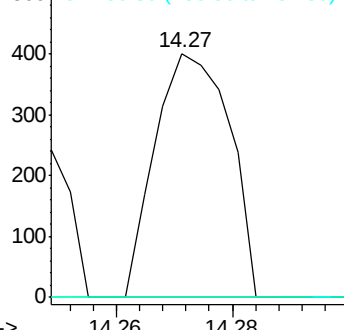
157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 2.45 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

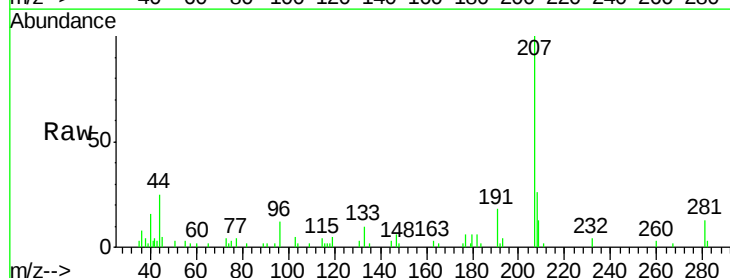
Tgt Ion: 180 Resp: 774

Ion Ratio Lower Upper

180 100

182 101.0 47.3 141.9

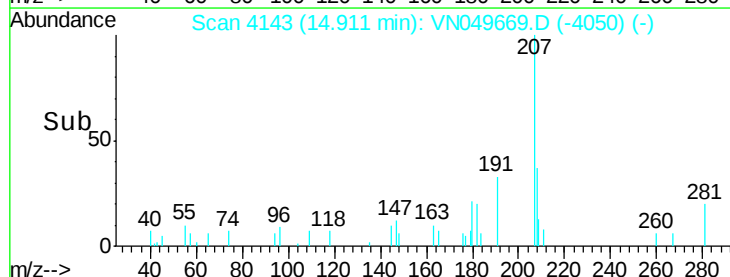
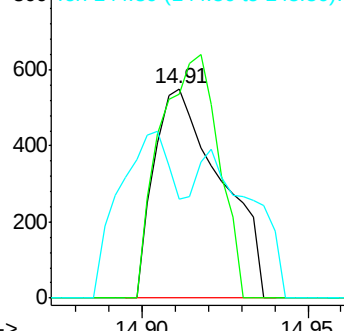
145 56.8 14.4 43.0#

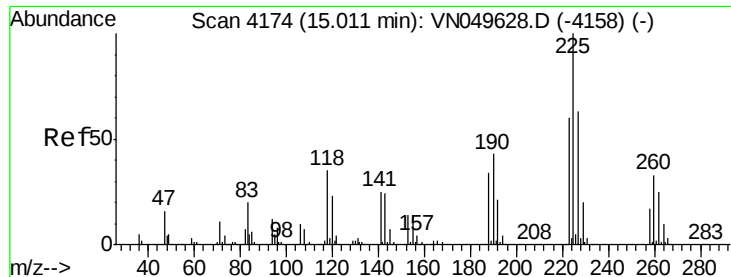


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

Instrument :

MSVOA_N

ClientSampleId :

MW-5

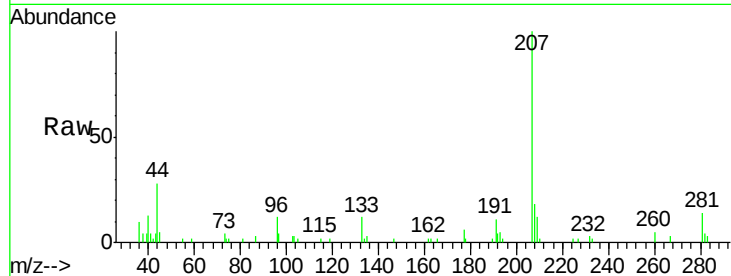
Tot Ion:225 Resp: 112

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

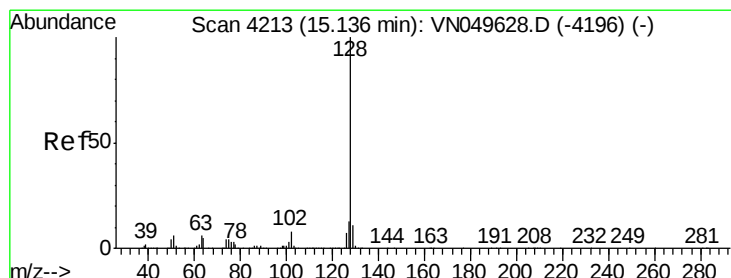
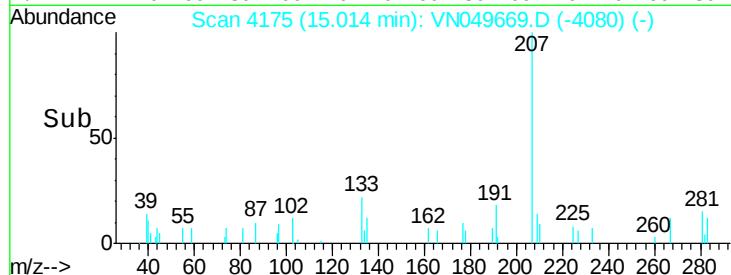
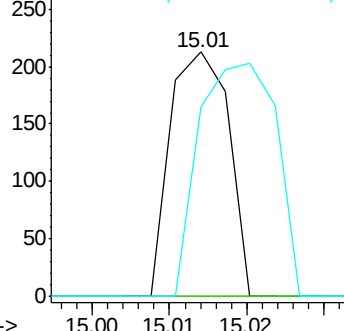
227 125.9 31.8 95.4#



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: 4.33 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049669.D

Acq: 2 Jul 2018 15:09

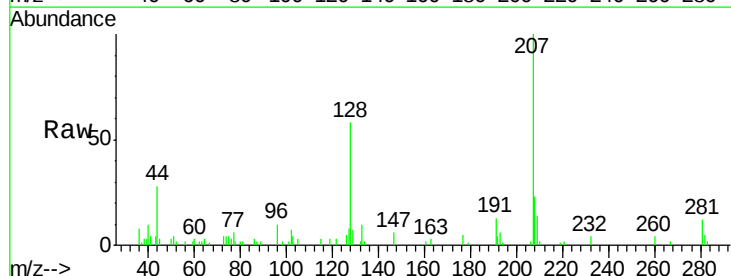
Tgt Ion:128 Resp: 10976

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

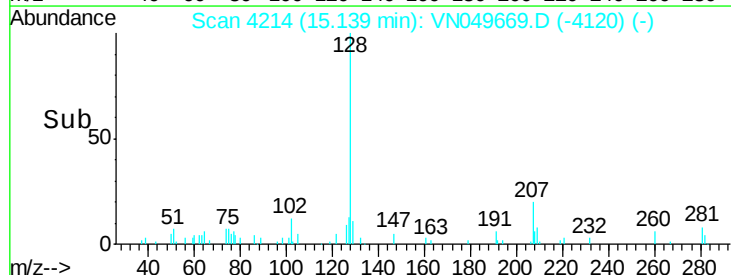
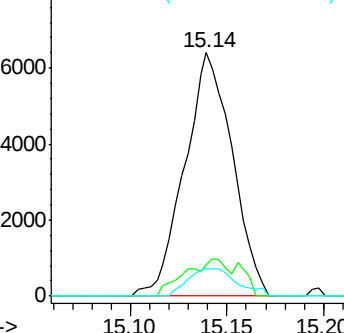
129 11.5 8.6 13.0

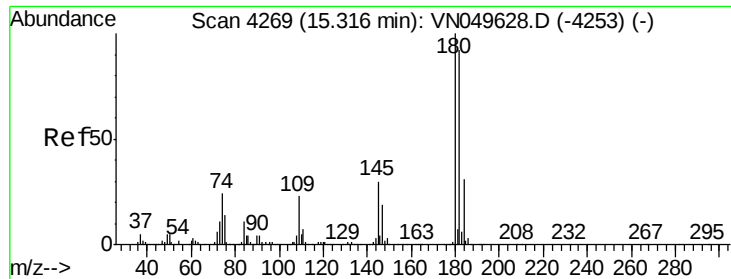


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.72 ug/l
 RT: 15.33 min Scan# 4272
 Delta R.T. 0.01 min
 Lab File: VN049669.D
 Acq: 2 Jul 2018 15:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.2	47.4	142.2
145	8.3	15.2	45.6

