

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049310.D
 Acq On : 16 Jun 2018 15:22
 Operator : MD\SY
 Sample : VN0616WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1764386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2798645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2416168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	829113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1172589	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.59	113	1046757	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	10.09	98	3935728	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
62) 4-Bromofluorobenzene	12.40	95	1112484	39.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.06%	

Target Compounds

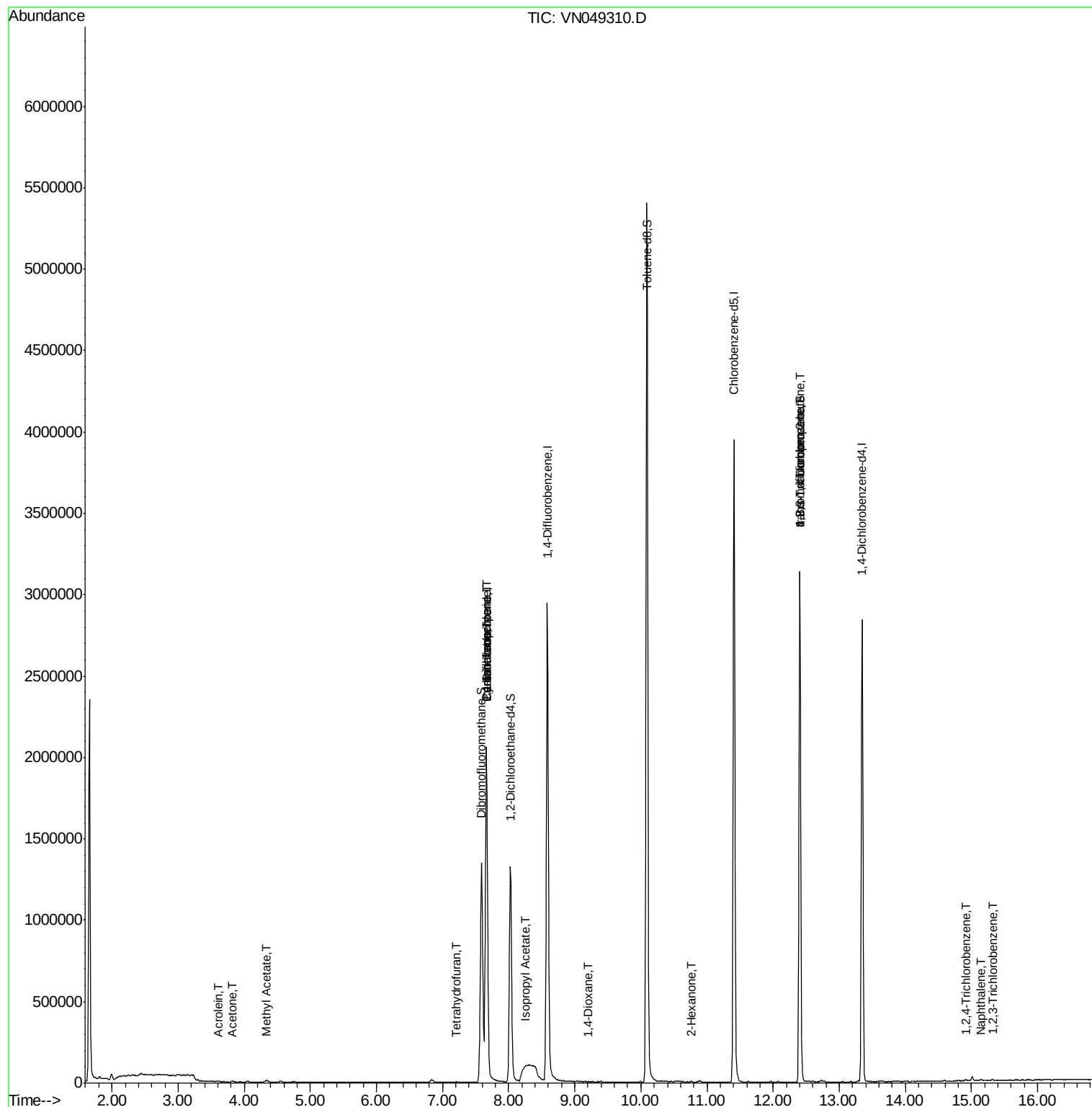
						Qvalue
13) Acrolein	3.60	56	537	0.37	ug/l #	76
16) Acetone	3.82	43	4110	0.72	ug/l	98
18) Methyl Acetate	4.34	43	16361	0.94	ug/l #	91
29) Tetrahydrofuran	7.22	42	1194	0.24	ug/l #	62
31) Cyclohexane	7.66	56	32284	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	125832	3.92	ug/l #	50
38) Carbon Tetrachloride	7.67	117	160533	4.83	ug/l #	17
43) Isopropyl Acetate	8.25	43	115888	3.48	ug/l #	65
49) 1,4-Dioxane	9.20	88	421	1.94	ug/l #	1
59) 2-Hexanone	10.76	43	4167	0.37	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	685	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.40	75	541590	38.28	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	541590	121.00	ug/l #	9
90) Hexachloroethane	13.88	117	247	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.91	180	2657	4.91	ug/l	89
94) Hexachlorobutadiene	15.01	225	5444	Below Cal		89
95) Naphthalene	15.14	128	5634	2.32	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	2240	3.61	ug/l	91

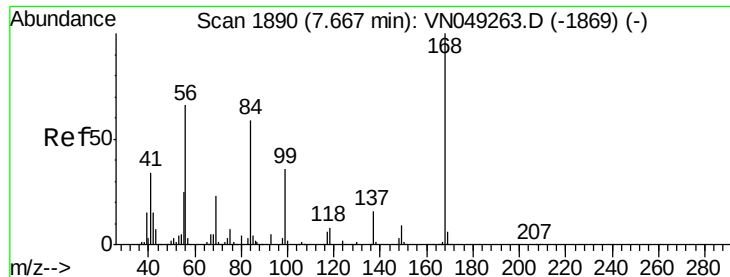
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

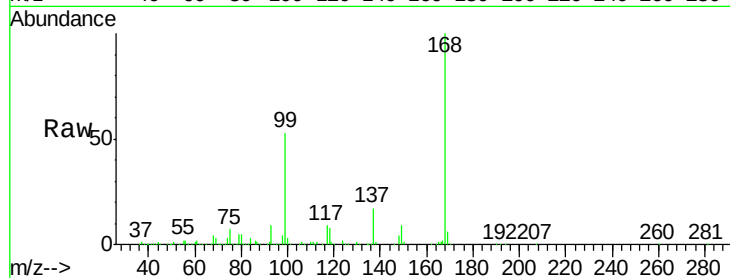
ClientSampled :

Tot Ion:168 Resp: 1764386

Ion Ratio Lower Upper

168 100

99 53.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

800000

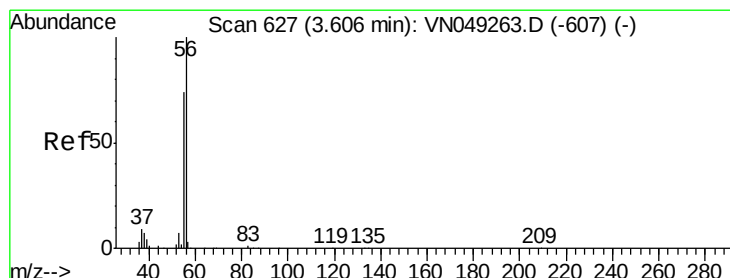
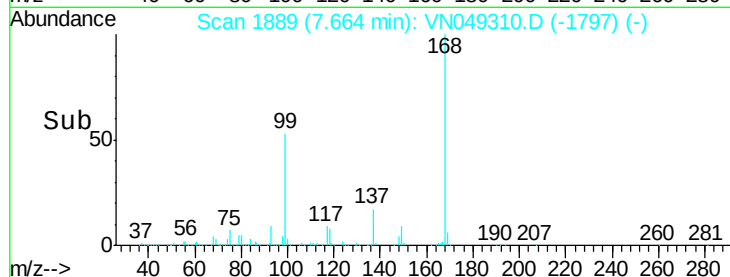
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.37 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049310.D

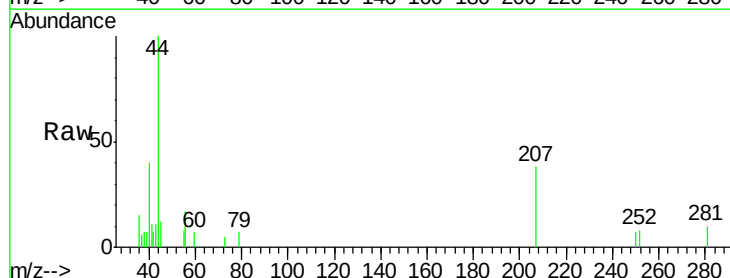
Acq: 16 Jun 2018 15:22

Tgt Ion: 56 Resp: 537

Ion Ratio Lower Upper

56 100

55 51.2 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.60

600

500

400

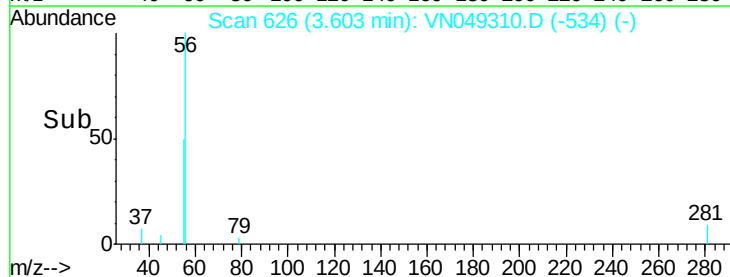
300

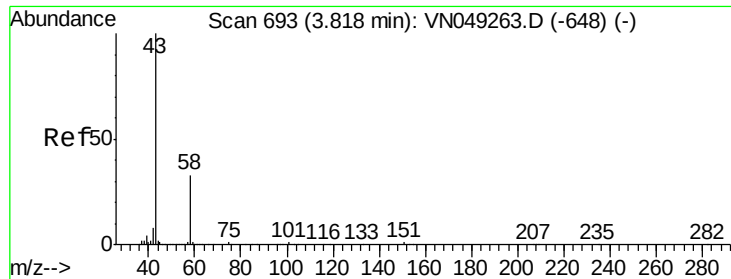
200

100

0

Time--> 3.58 3.60 3.62





#16

Acetone

Concen: 0.72 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

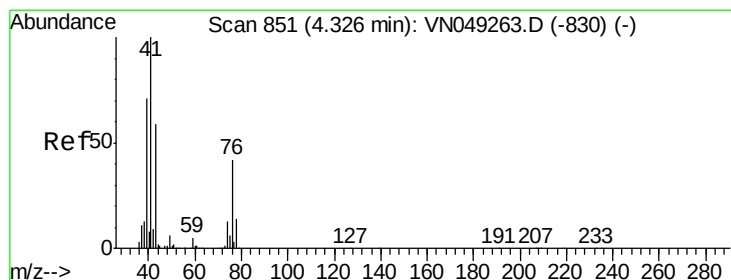
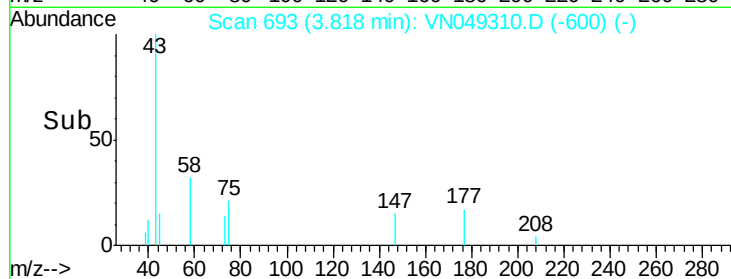
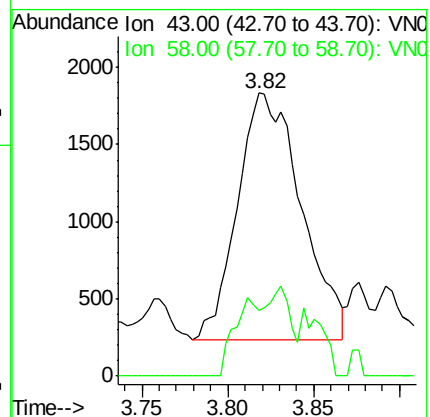
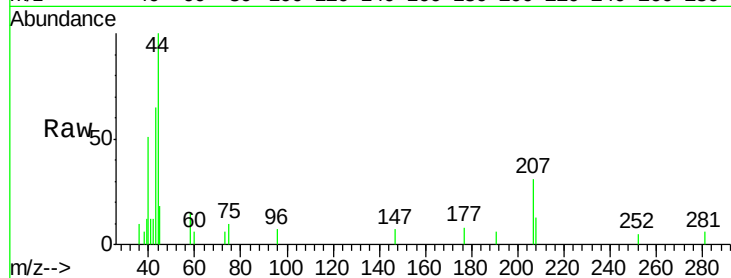
ClientSampled :

Tot Ion: 43 Resp: 4110

Ion Ratio Lower Upper

43 100

58 26.7 22.4 33.6



#18

Methyl Acetate

Concen: 0.94 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049310.D

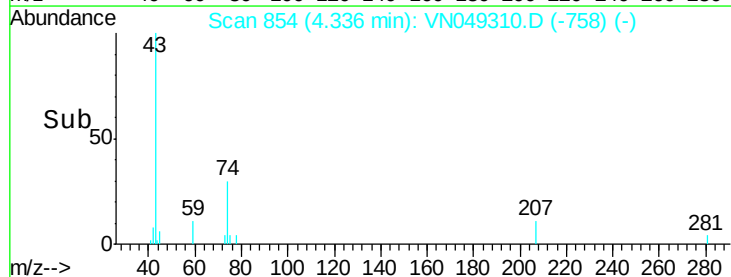
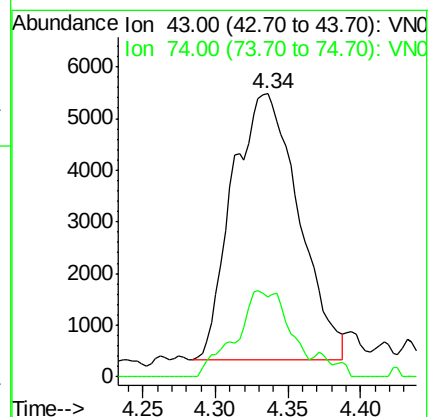
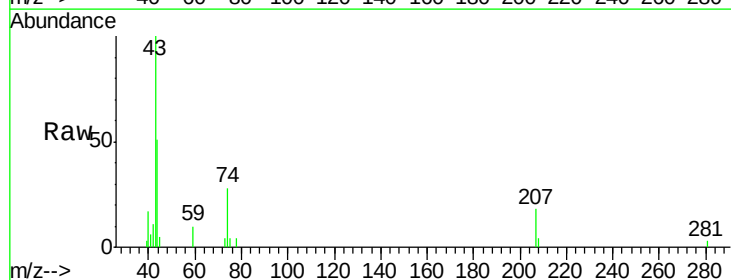
Acq: 16 Jun 2018 15:22

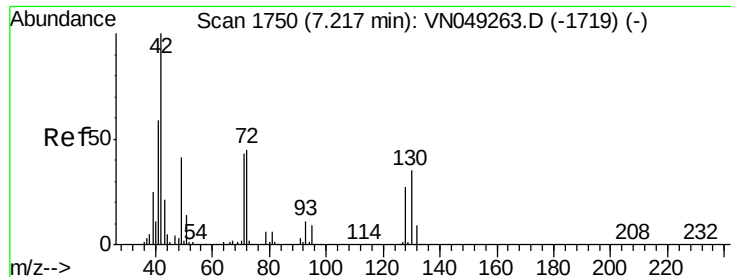
Tgt Ion: 43 Resp: 16361

Ion Ratio Lower Upper

43 100

74 26.2 17.4 26.0#





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

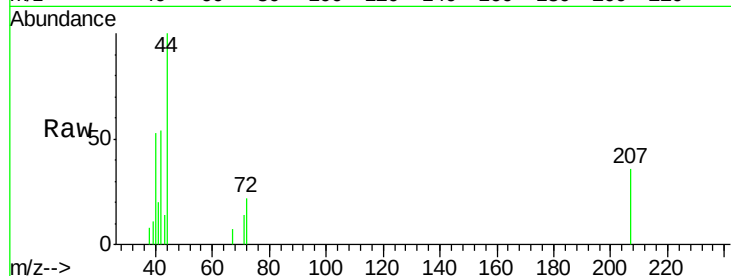
Tot Ion: 42 Resp: 1194

Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

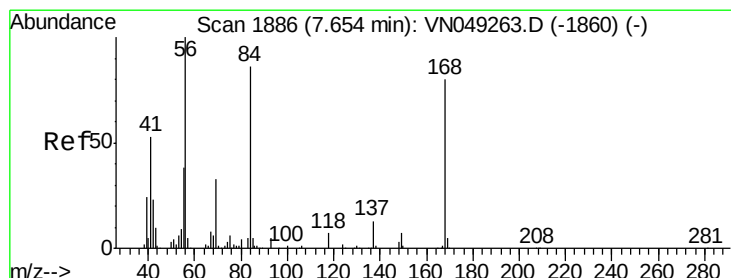
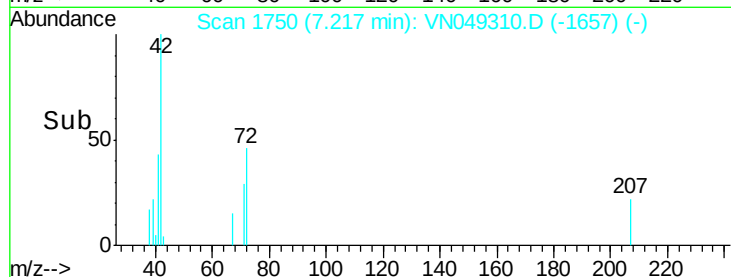
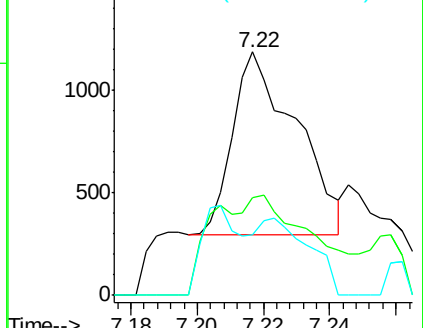
71 32.4 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049310.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049310.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049310.D (-1657) (-)



#31

Cyclohexane

Concen: 0.76 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

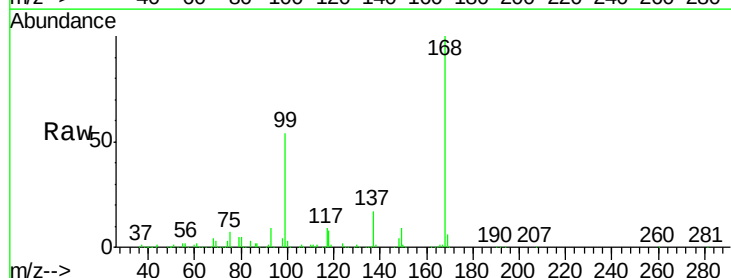
Tgt Ion: 56 Resp: 32284

Ion Ratio Lower Upper

56 100

69 183.6 25.0 37.4#

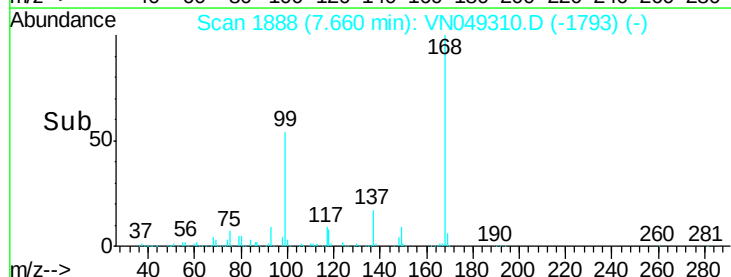
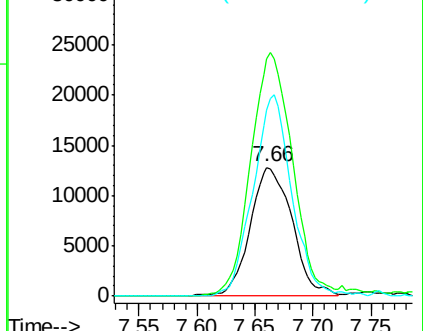
84 144.5 64.6 96.8#

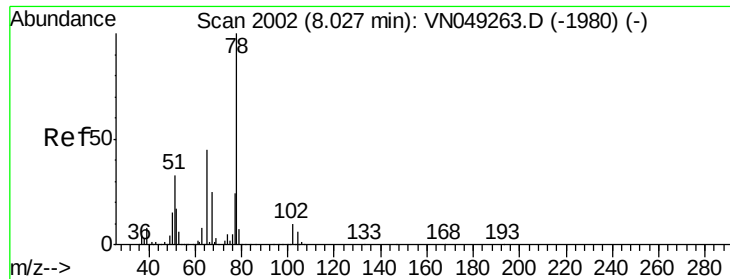


Abundance Ion 56.00 (55.70 to 56.70): VN049310.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049310.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049310.D (-1793) (-)

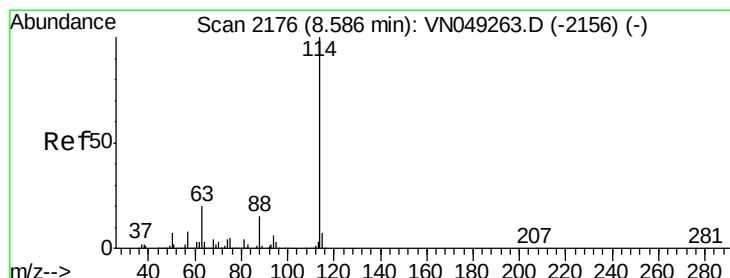
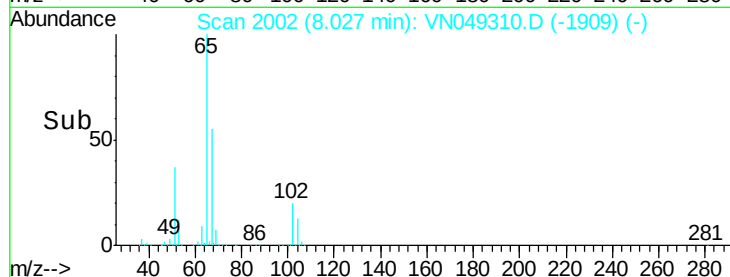
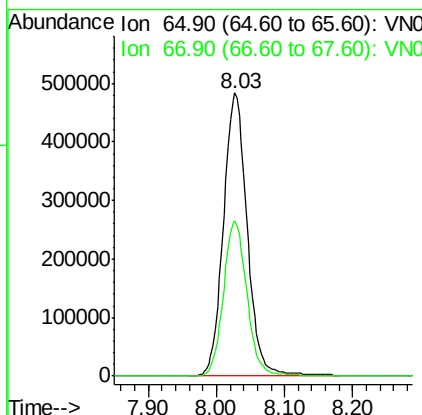
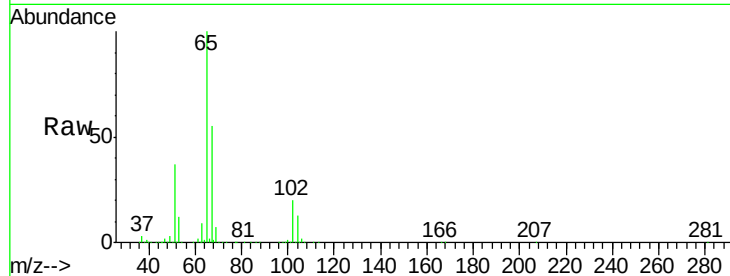




#33
 1,2-Dichloroethane-d4
 Concen: 50.11 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049310.D
 Acq: 16 Jun 2018 15:22

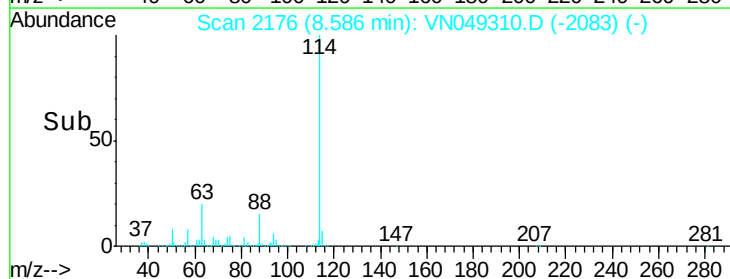
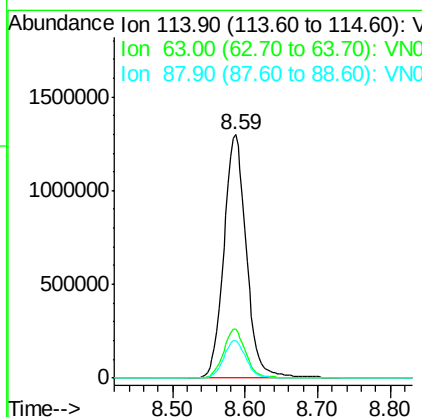
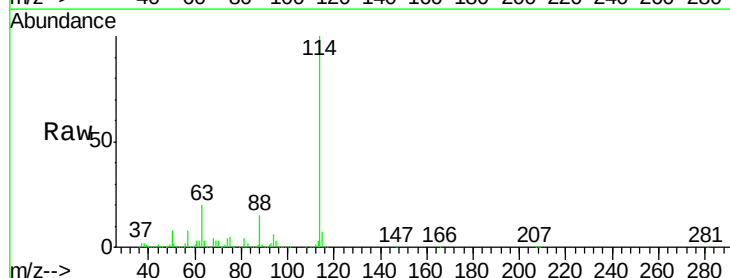
Instrument :
 MSVOA_N
 ClientSampleId :

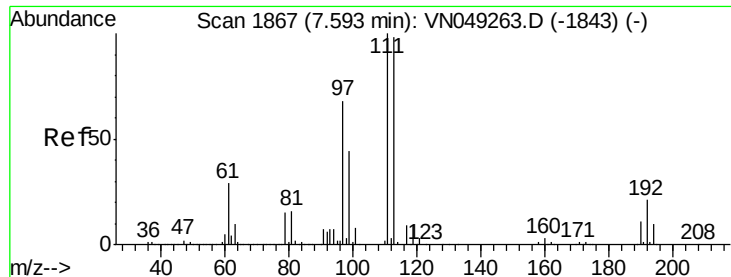
Tot Ion: 65 Resp: 1172589
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049310.D
 Acq: 16 Jun 2018 15:22

Tgt Ion: 114 Resp: 2798645
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4

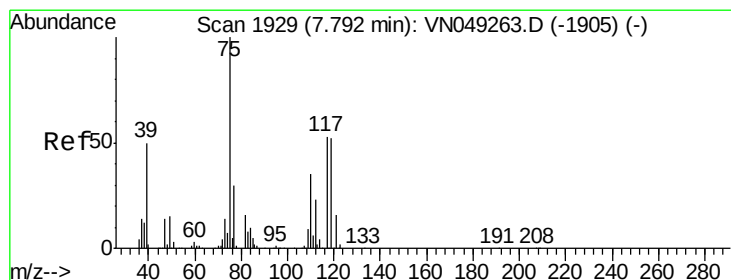
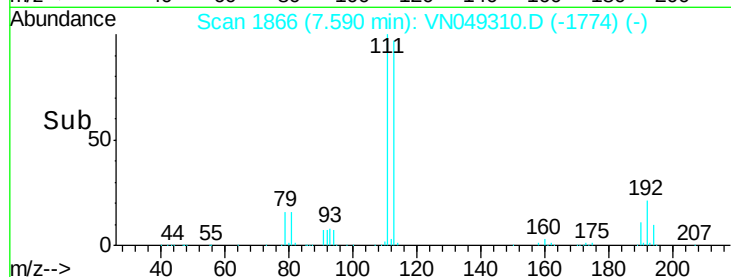
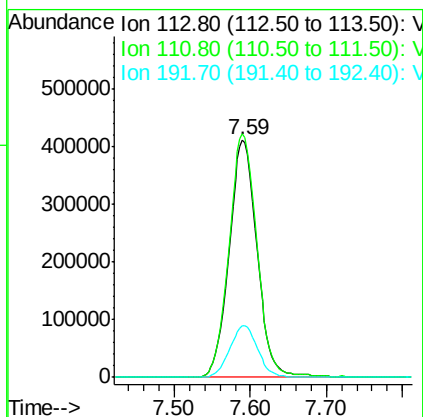
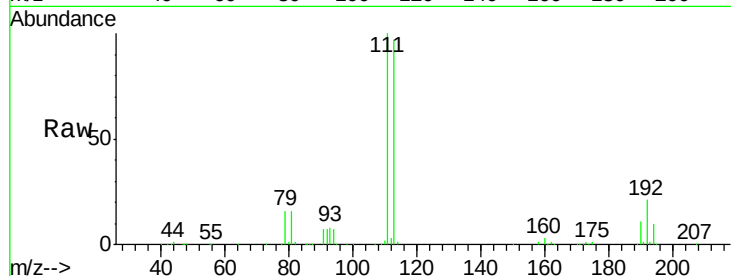




#35
 Dibromofluoromethane
 Concen: 46.23 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049310.D
 Acq: 16 Jun 2018 15:22

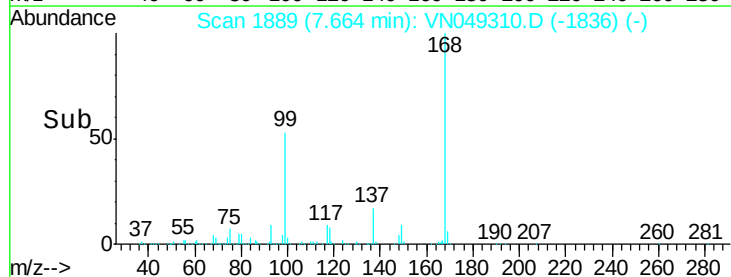
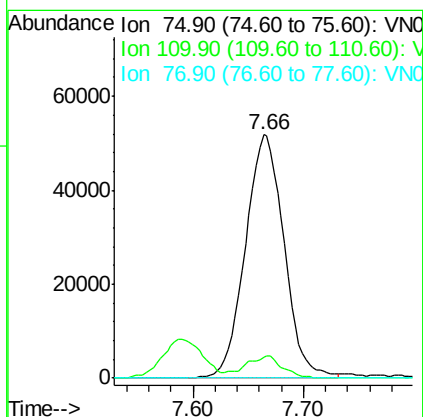
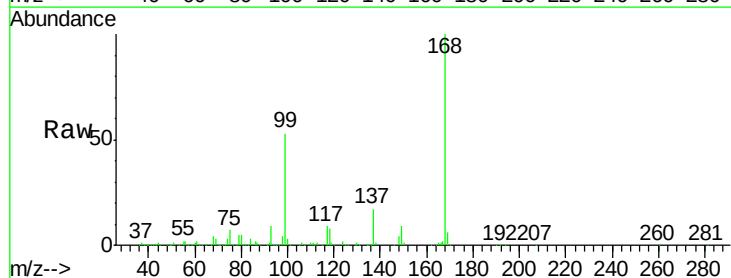
Instrument :
 MSVOA_N
 ClientSampled :

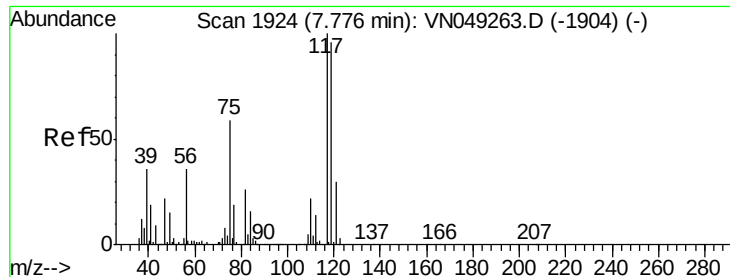
Tot Ion:113 Resp: 1046757
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 21.9 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049310.D
 Acq: 16 Jun 2018 15:22

Tgt Ion: 75 Resp: 125832
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.0 50.9#
 77 0.0 24.4 36.6#

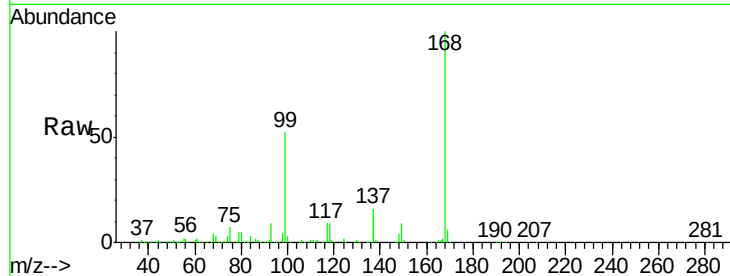




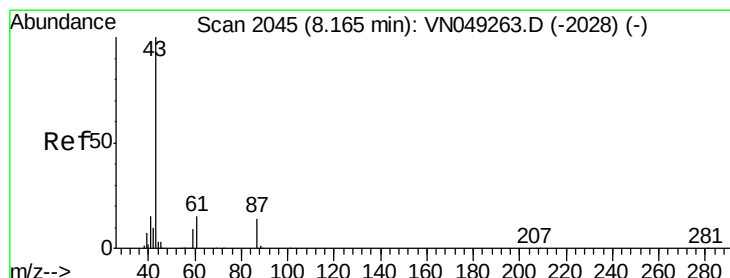
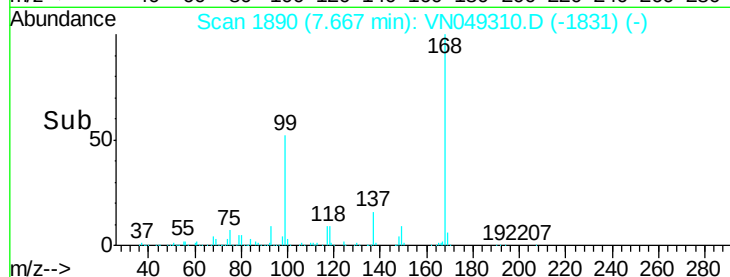
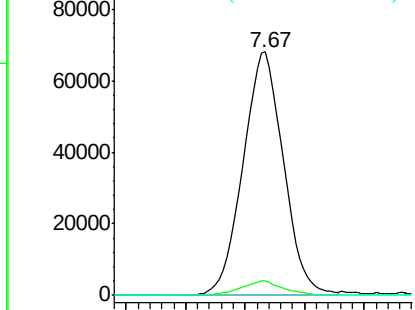
#38
Carbon Tetrachloride
Concen: 4.83 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049310.D
Acq: 16 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 160533
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 24.7 37.1#

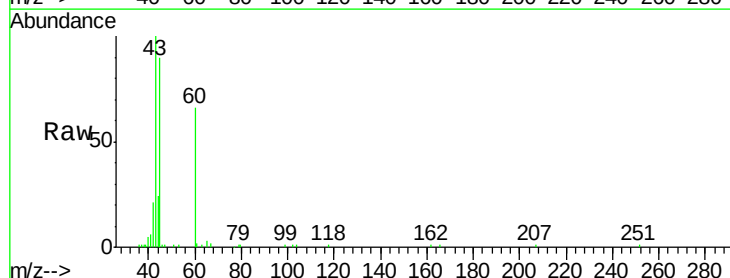


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

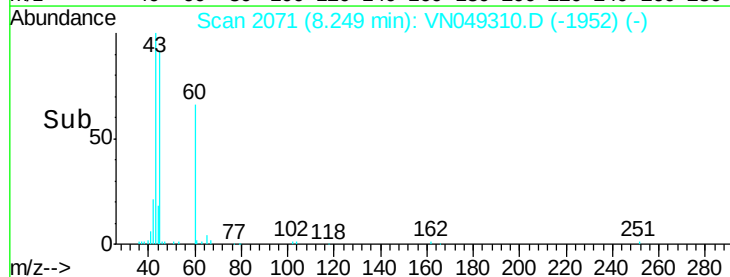
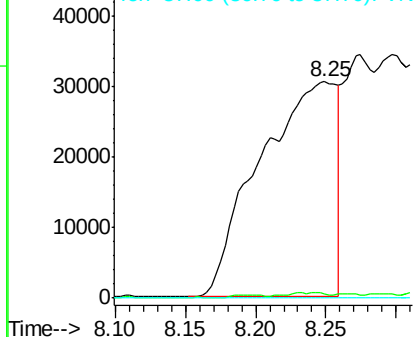


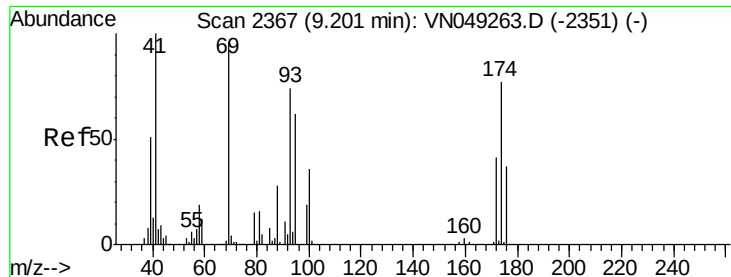
#43
Isopropyl Acetate
Concen: 3.48 ug/l
RT: 8.25 min Scan# 2071
Delta R.T. 0.08 min
Lab File: VN049310.D
Acq: 16 Jun 2018 15:22

Tgt Ion: 43 Resp: 115888
Ion Ratio Lower Upper
43 100
61 0.8 14.2 21.4#
87 0.0 9.4 14.0#



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

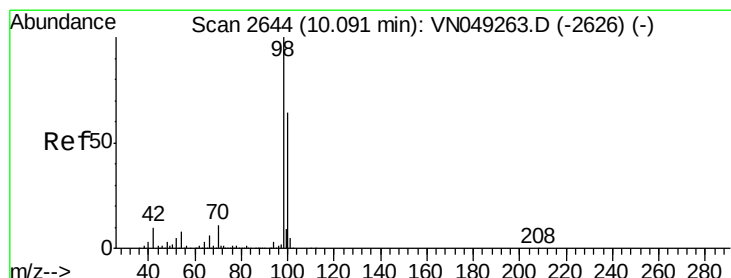
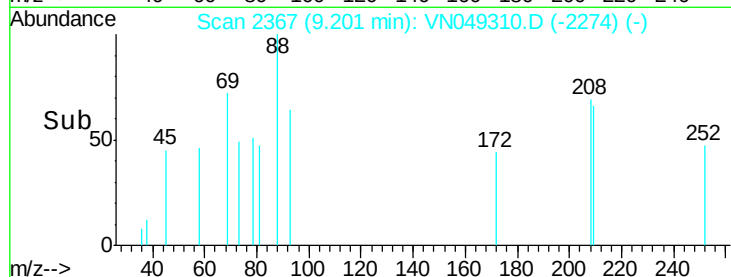
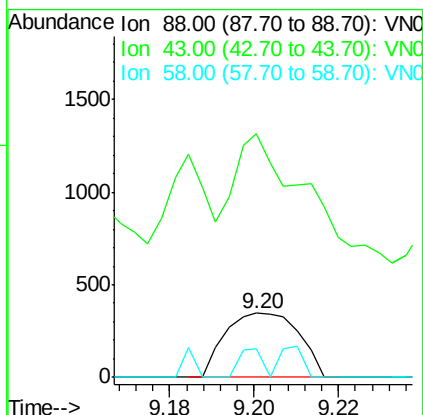
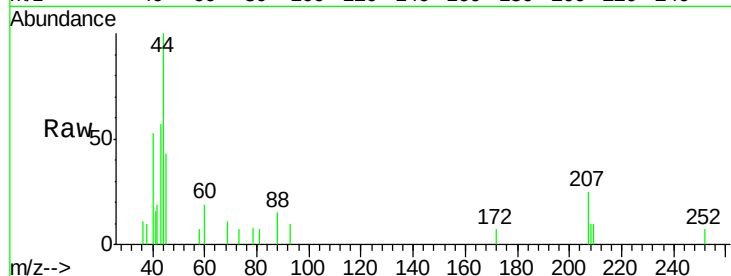




#49
1,4-Dioxane
Concen: 1.94 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049310.D
Acq: 16 Jun 2018 15:22

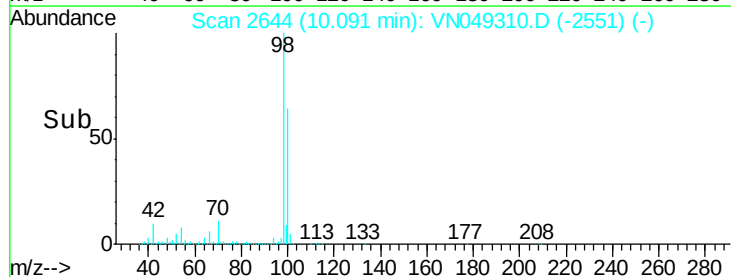
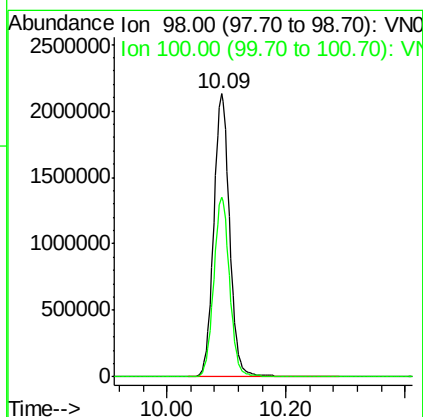
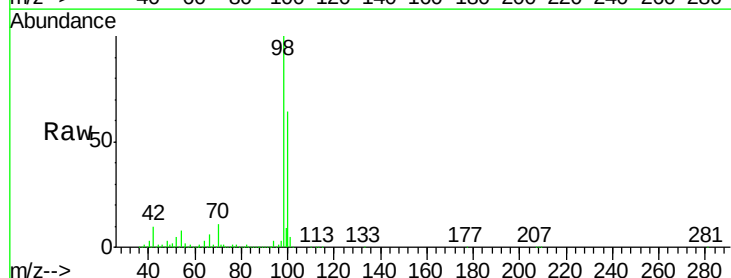
Instrument :
MSVOA_N
ClientSampled :

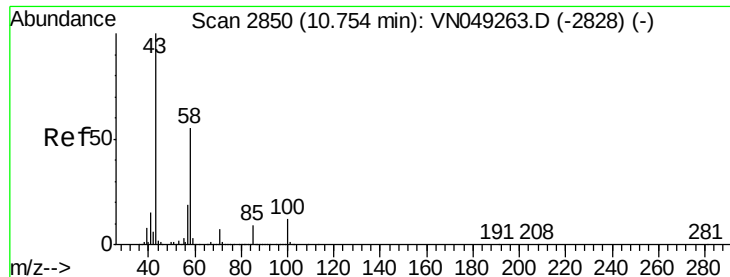
Tot Ion: 88 Resp: 421
Ion Ratio Lower Upper
88 100
43 193.3 30.9 46.3#
58 14.3 58.9 88.3#



#50
Toluene-d8
Concen: 45.65 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049310.D
Acq: 16 Jun 2018 15:22

Tgt Ion: 98 Resp: 3935728
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.8





#59

2-Hexanone

Concen: 0.37 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

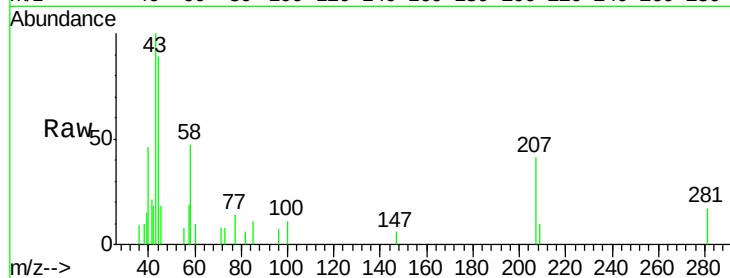
ClientSampled :

Tot Ion: 43 Resp: 4167

Ion Ratio Lower Upper

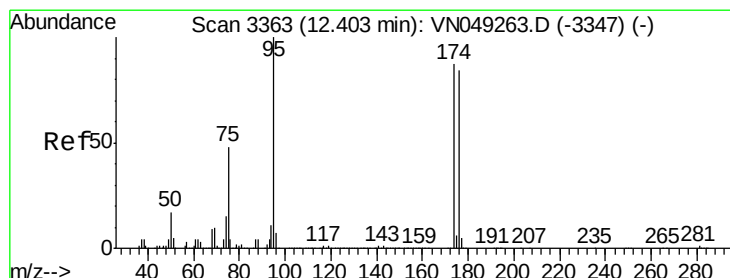
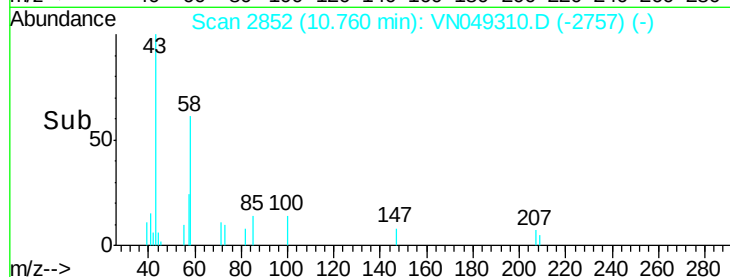
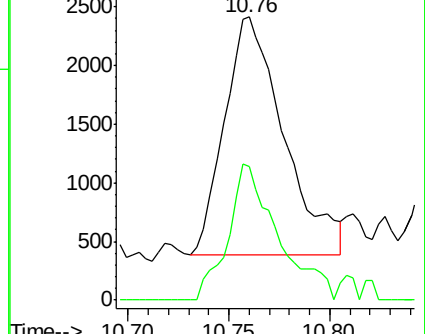
43 100

58 47.9 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 39.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

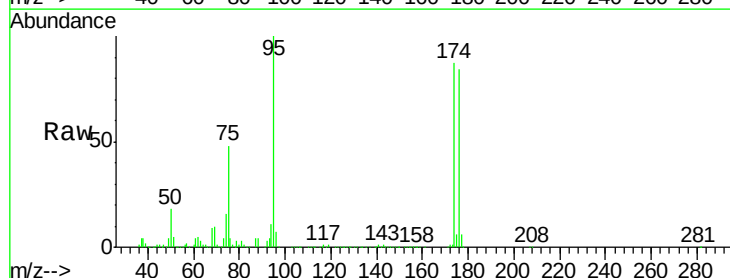
Tgt Ion: 95 Resp: 1112484

Ion Ratio Lower Upper

95 100

174 88.0 0.0 165.6

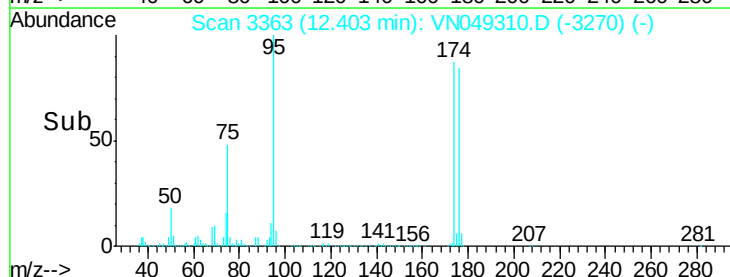
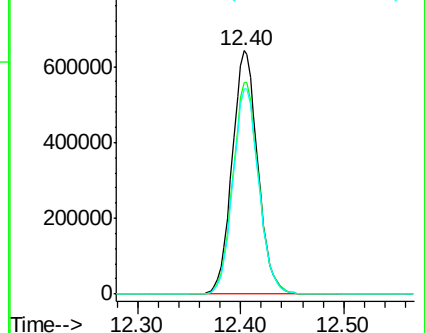
176 84.9 0.0 157.4

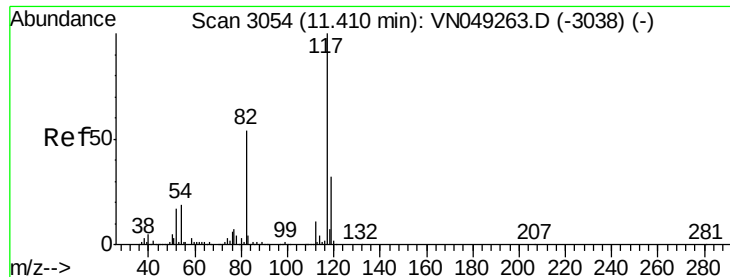


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

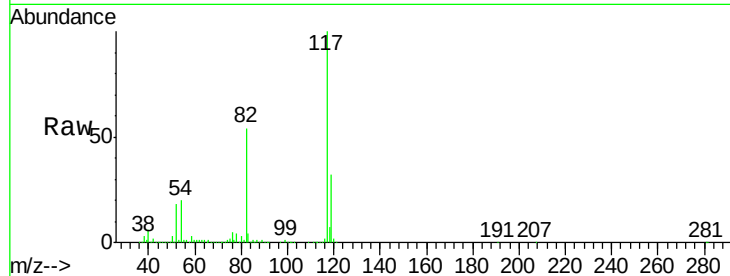




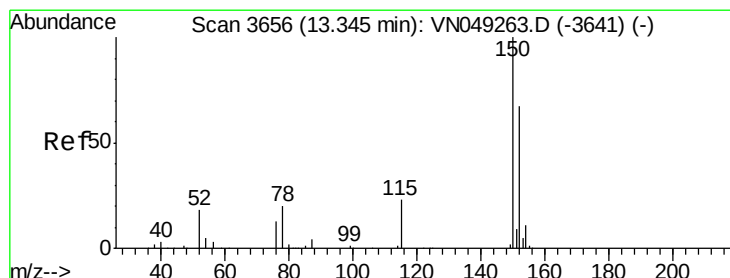
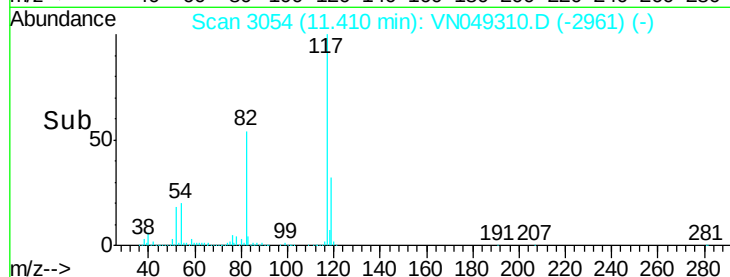
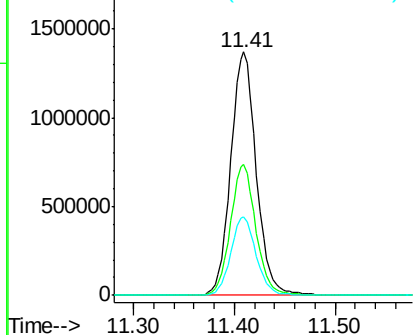
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049310.D
Acq: 16 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2416168
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.1 25.5 38.3

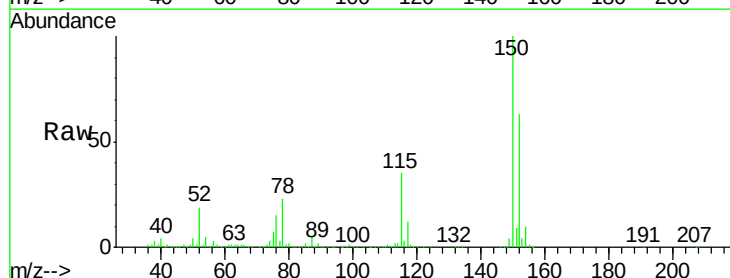


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

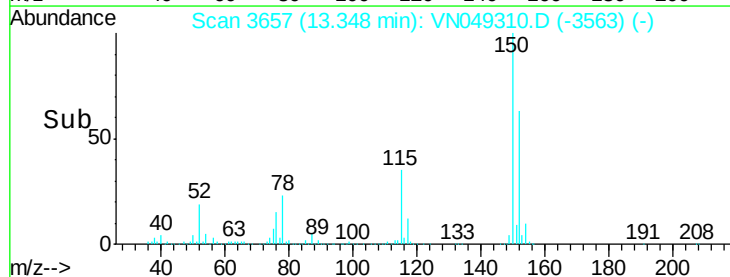
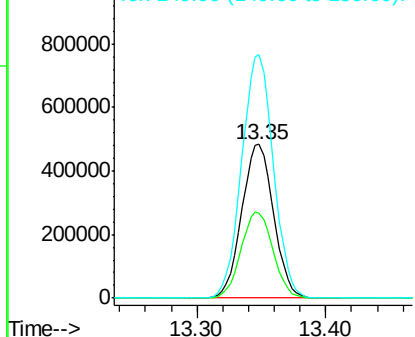


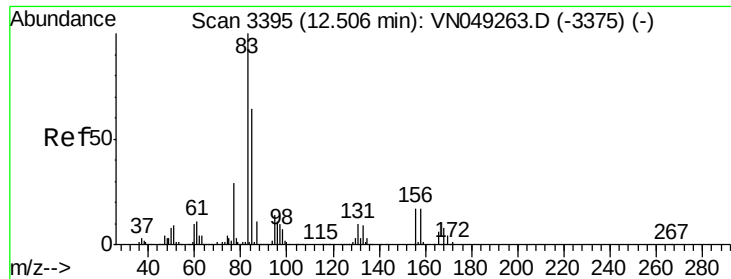
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049310.D
Acq: 16 Jun 2018 15:22

Tgt Ion:152 Resp: 829113
Ion Ratio Lower Upper
152 100
115 56.5 28.7 86.1
150 158.2 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

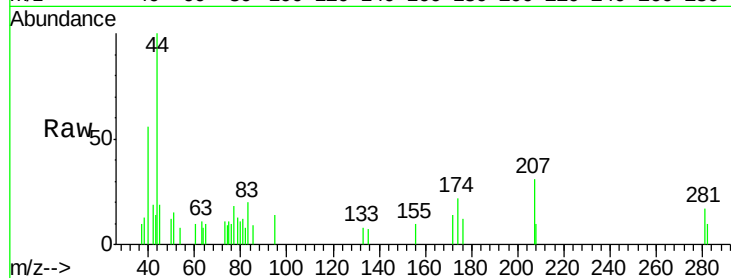
Tot Ion: 83 Resp: 685

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

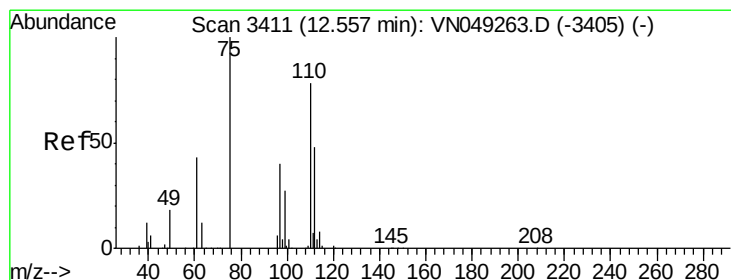
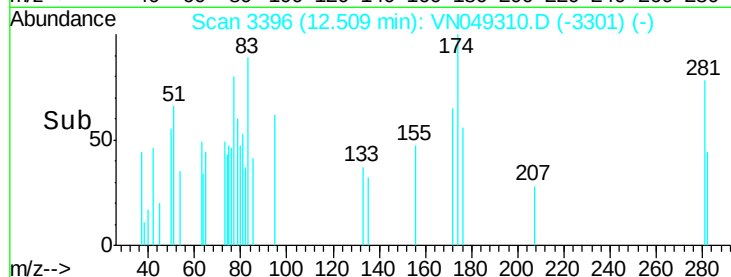
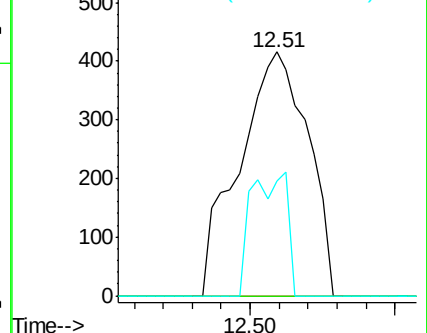
85 26.6 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 38.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049310.D

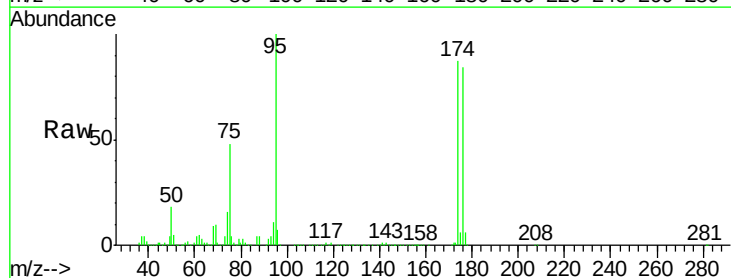
Acq: 16 Jun 2018 15:22

Tgt Ion: 75 Resp: 541590

Ion Ratio Lower Upper

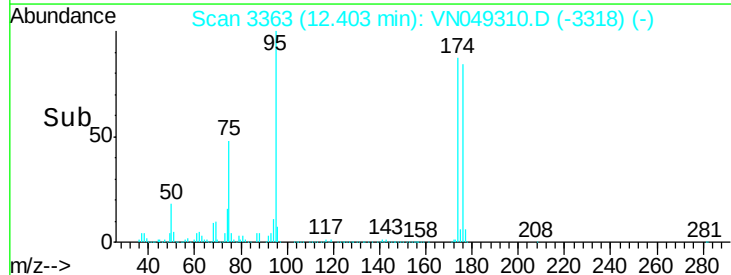
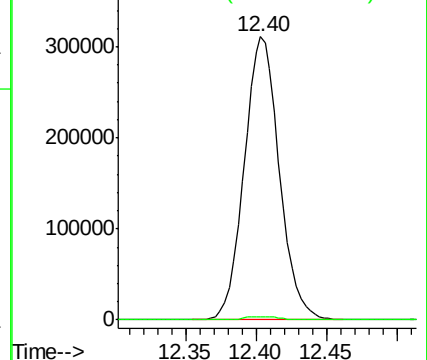
75 100

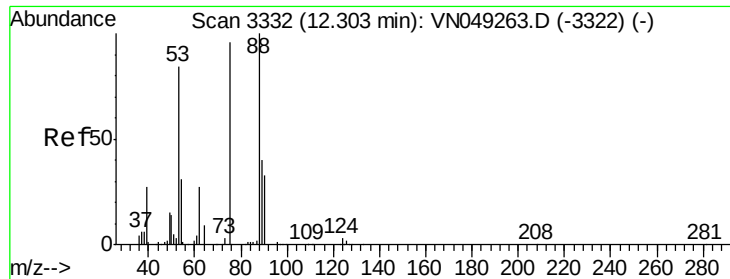
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 121.00 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

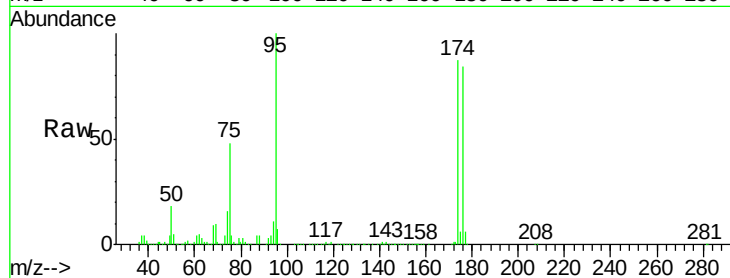
Tot Ion: 75 Resp: 541590

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

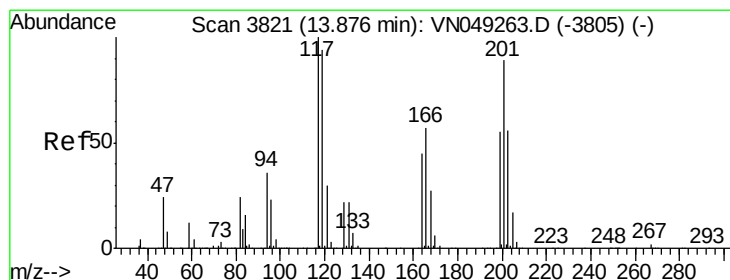
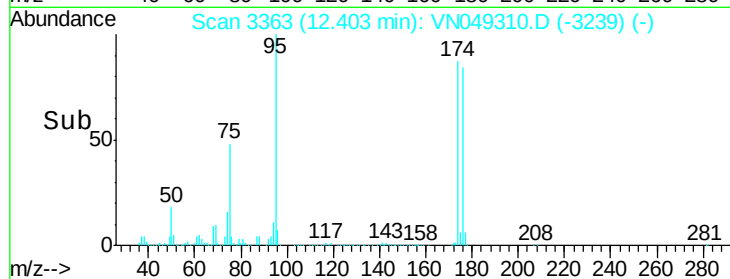
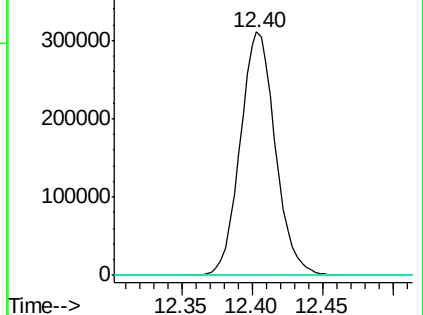
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049310.D (-3239) (-)

Ion 53.00 (52.70 to 53.70): VN049310.D (-3239) (-)

Ion 88.90 (88.60 to 89.60): VN049310.D (-3239) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049310.D

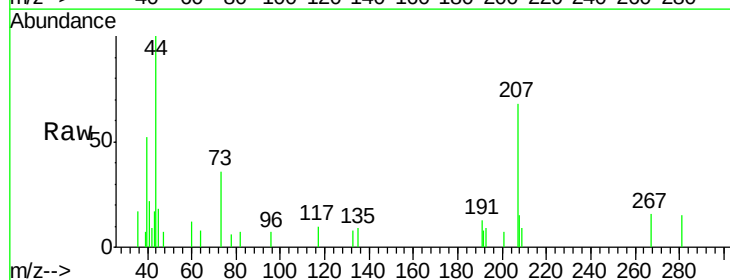
Acq: 16 Jun 2018 15:22

Tgt Ion: 117 Resp: 247

Ion Ratio Lower Upper

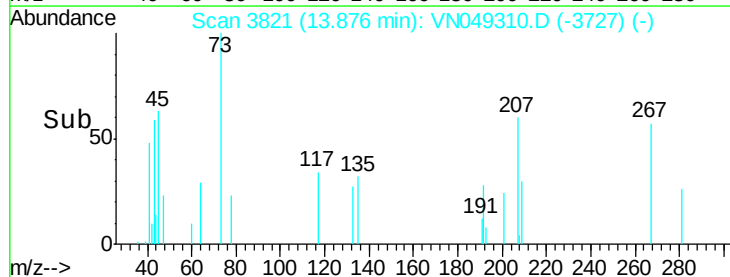
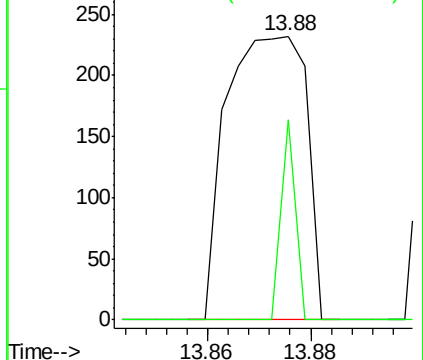
117 100

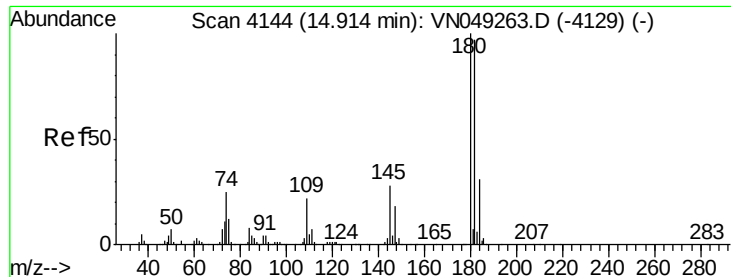
201 13.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049310.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049310.D (-3727) (-)

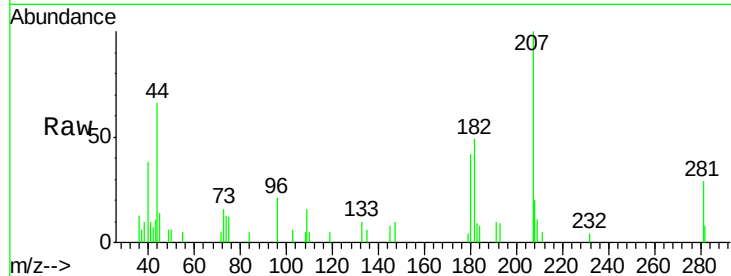




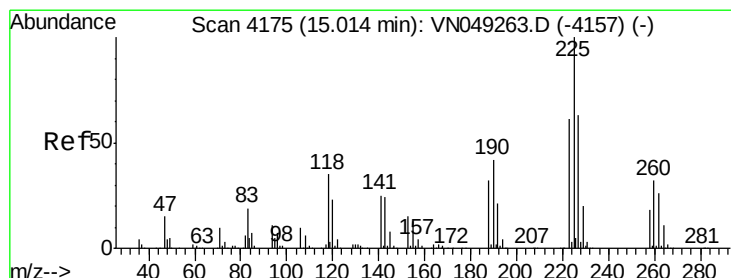
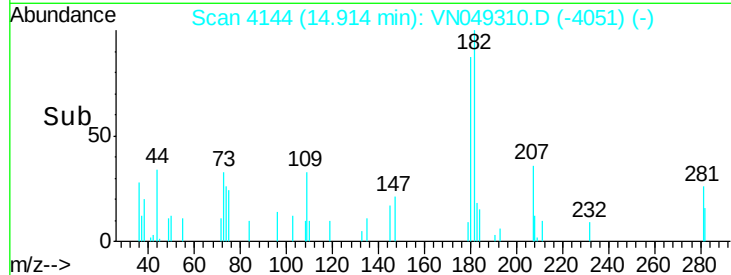
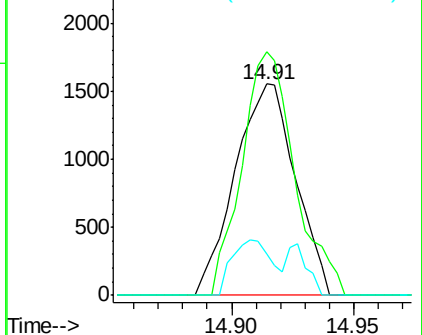
#93
 1,2,4-Trichlorobenzene
 Concen: 4.91 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049310.D
 Acq: 16 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2657
 Ion Ratio Lower Upper
 180 100
 182 101.1 46.9 140.8
 145 17.4 14.7 44.1

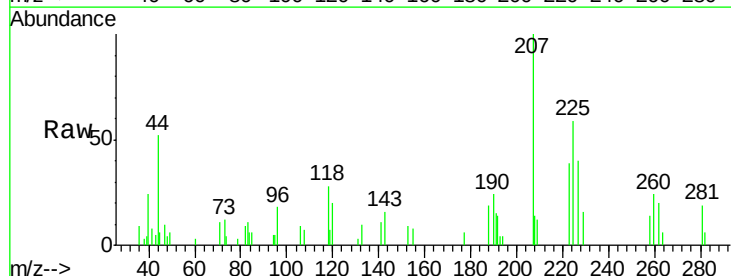


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

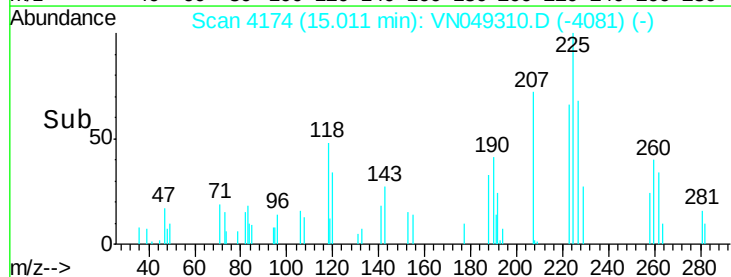
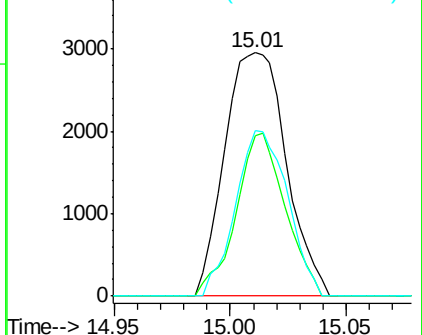


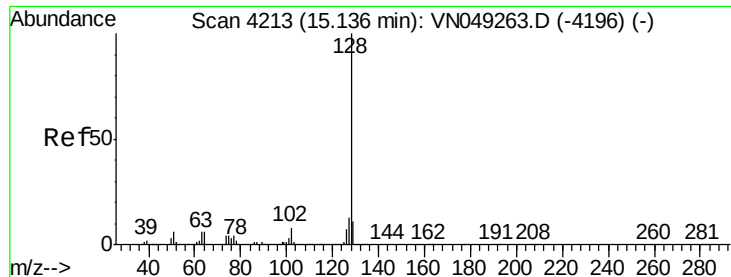
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049310.D
 Acq: 16 Jun 2018 15:22

Tgt Ion:225 Resp: 5444
 Ion Ratio Lower Upper
 225 100
 223 53.4 32.1 96.3
 227 57.4 31.8 95.3



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: 2.32 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

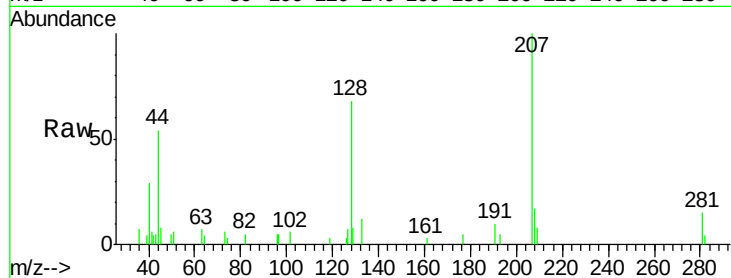
Tot Ion:128 Resp: 5634

Ion Ratio Lower Upper

128 100

127 8.7 10.6 16.0#

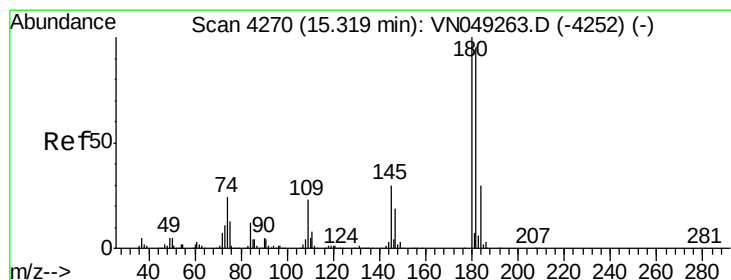
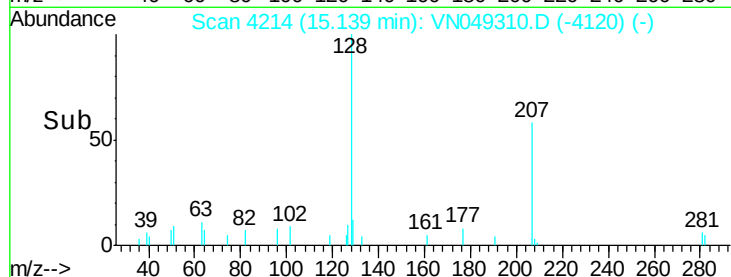
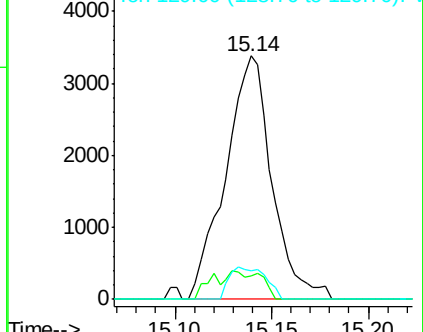
129 10.5 8.5 12.7



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: 3.61 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049310.D

Acq: 16 Jun 2018 15:22

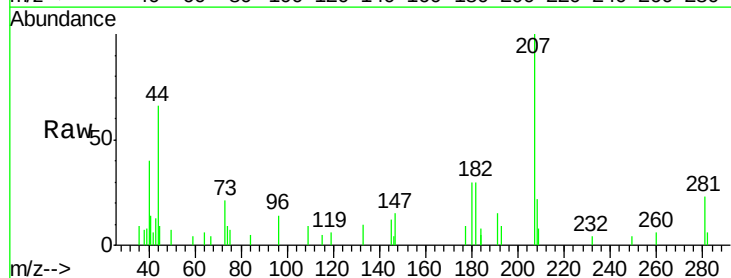
Tgt Ion:180 Resp: 2240

Ion Ratio Lower Upper

180 100

182 103.9 47.3 141.8

145 26.3 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

