

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049352.D
 Acq On : 18 Jun 2018 19:05
 Operator : MD\SY
 Sample : PB110313ZHE#17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:34:38 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	7.67	168	1225882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1964315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1613125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	535466	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	829968	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.59	113	727128	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
50) Toluene-d8	10.09	98	2655182	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	
62) 4-Bromofluorobenzene	12.41	95	720935	36.03	ug/l	0.00
Spiked Amount			Recovery	=	72.06%	

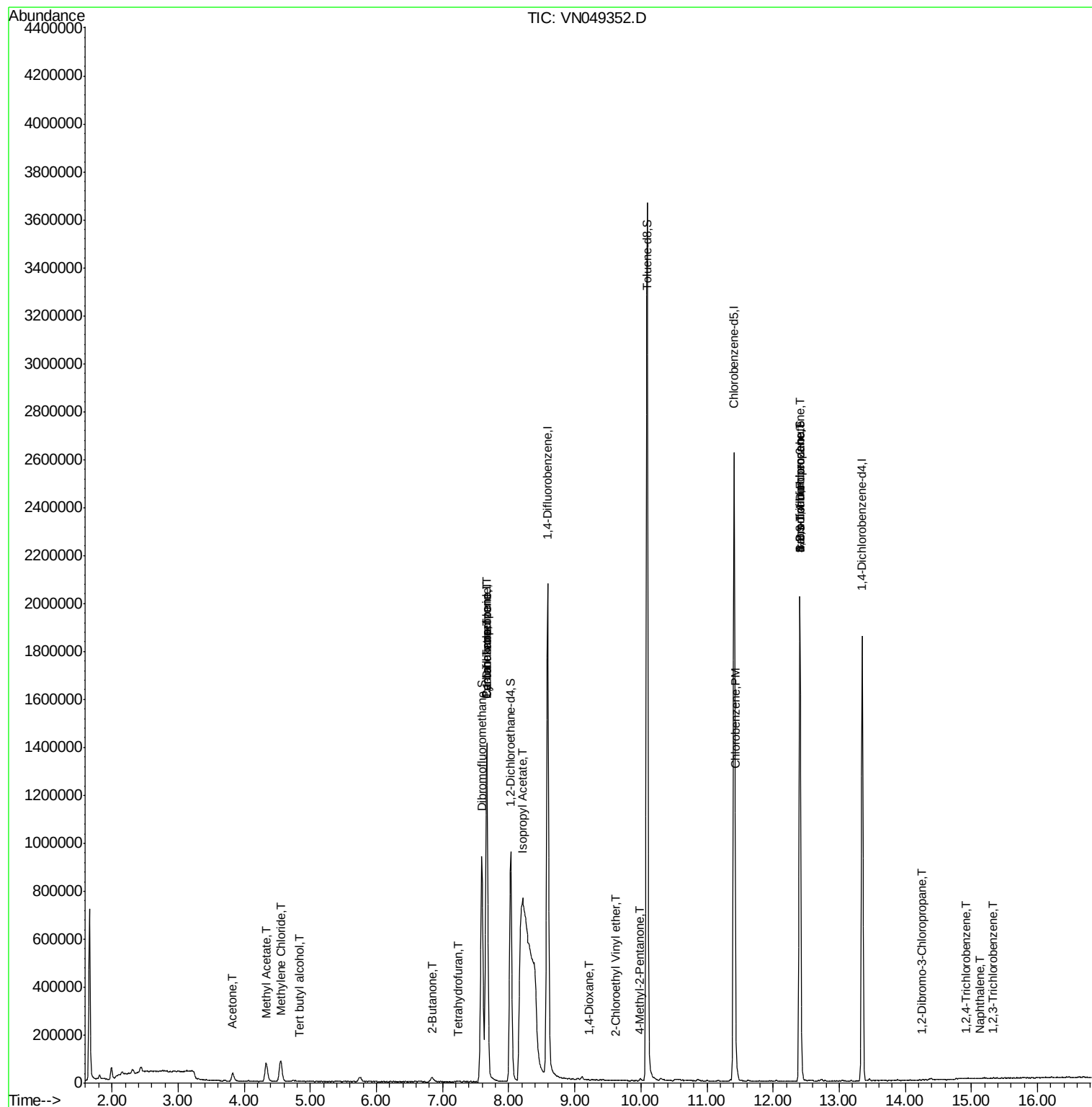
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.83	59	490	0.51	ug/l	# 86
16) Acetone	3.82	43	57095	14.46	ug/l	93
18) Methyl Acetate	4.33	43	149422	12.41	ug/l	95
20) Methylene Chloride	4.55	84	64804	3.93	ug/l	95
25) 2-Butanone	6.85	43	10147	1.91	ug/l	100
29) Tetrahydrofuran	7.23	42	1183	0.35	ug/l	# 79
31) Cyclohexane	7.67	56	22210	0.75	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	86079	3.82	ug/l	# 50
38) Carbon Tetrachloride	7.67	117	110081	4.72	ug/l	# 17
43) Isopropyl Acetate	8.21	43	1926666	82.39	ug/l	# 64
49) 1,4-Dioxane	9.20	88	209	1.38	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	6993	0.57	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.62	63	29	14.33	ug/l	# 51
65) Chlorobenzene	11.44	112	24296	0.58	ug/l	94
71) Bromoform	12.41	173	4920	0.49	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.48	83	163	Below Cal		# 49
76) 1,2,3-Trichloropropane	12.40	75	350367	38.35	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	350367	121.20	ug/l	# 8
92) 1,2-Dibromo-3-Chloropropan	14.26	75	708	0.43	ug/l	# 4
93) 1,2,4-Trichlorobenzene	14.92	180	215	4.76	ug/l	# 81
95) Naphthalene	15.13	128	1119	2.15	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.32	180	128	3.47	ug/l	# 1

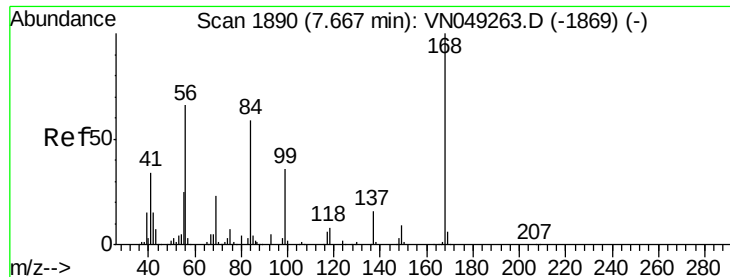
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061818\
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Acq On : 18 Jun 2018 19:05
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Instrument :
MSVOA_N
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Quant Time: Jun 19 01:34:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
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: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

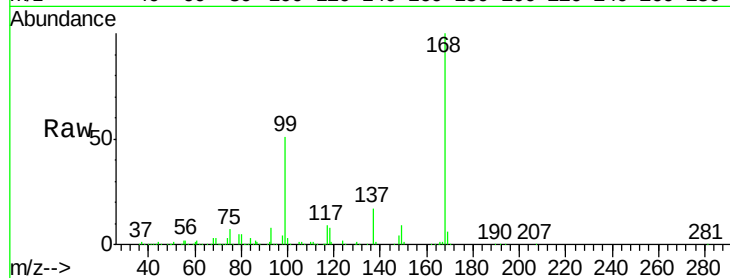
ClientSampleId :

Tot Ion:168 Resp: 1225882

Ion Ratio Lower Upper

168 100

99 50.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049352.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049352.D (-1797) (-)

7.67

500000

400000

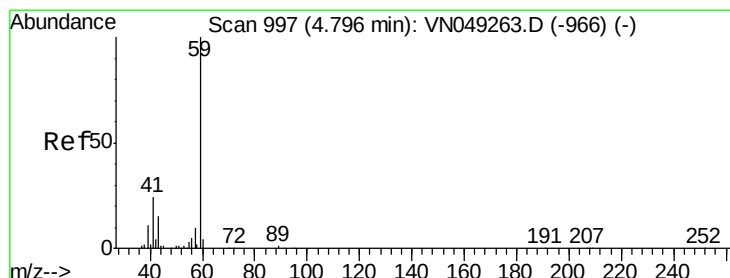
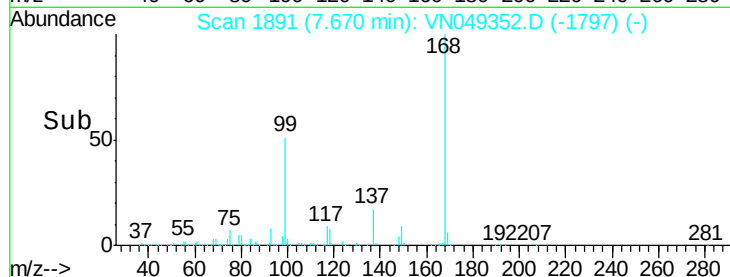
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.51 ug/l

RT: 4.83 min Scan# 1007

Delta R.T. 0.03 min

Lab File: VN049352.D

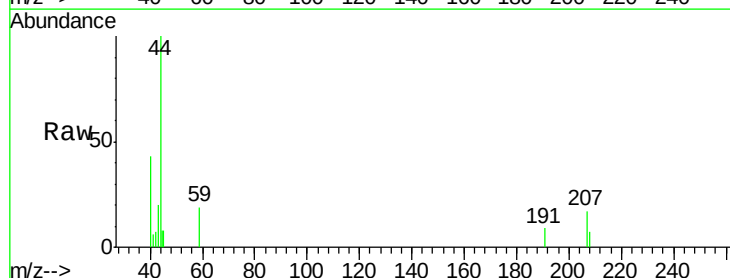
Acq: 18 Jun 2018 19:05

Tgt Ion: 59 Resp: 490

Ion Ratio Lower Upper

59 100

57 5.9 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN049352.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN049352.D (-904) (-)

4.83

800

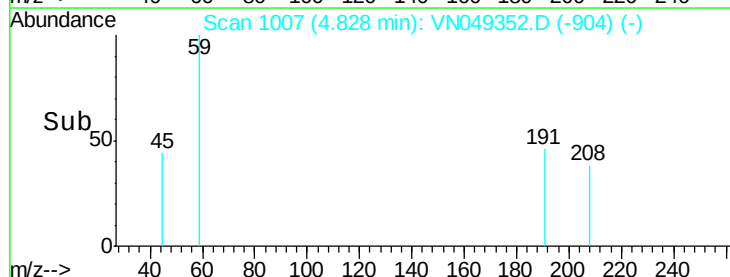
600

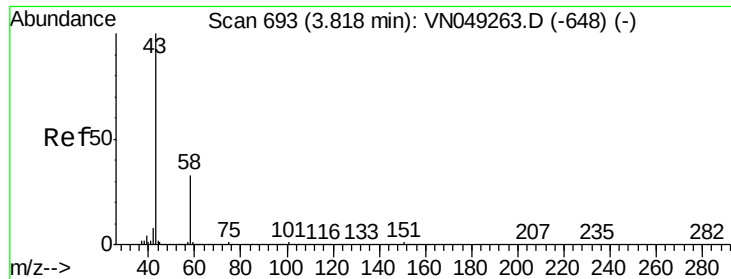
400

200

0

Time-->





#16

Acetone

Concen: 14.46 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

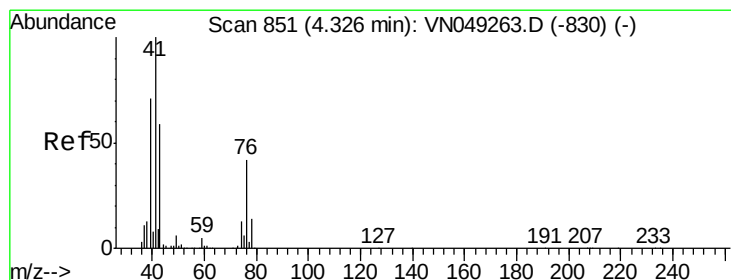
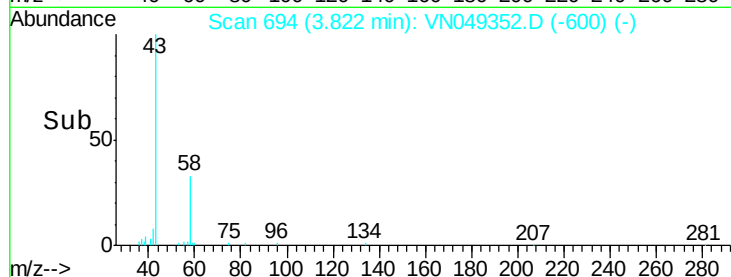
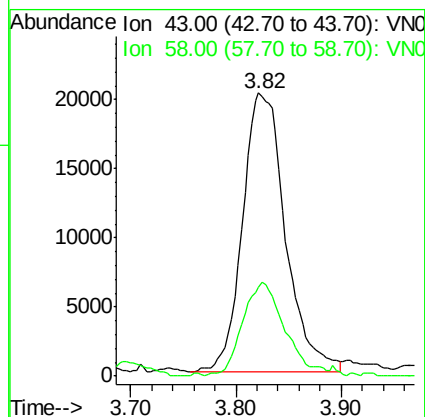
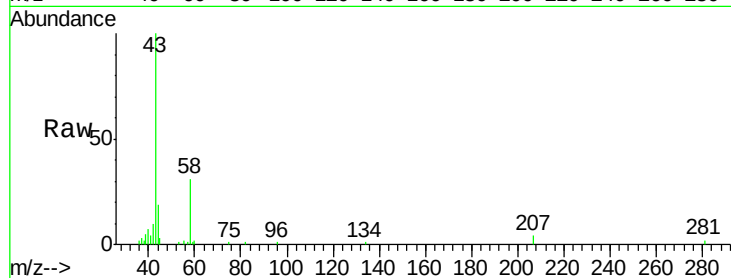
ClientSampleId :

Tot Ion: 43 Resp: 57095

Ion Ratio Lower Upper

43 100

58 31.9 22.4 33.6



#18

Methyl Acetate

Concen: 12.41 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049352.D

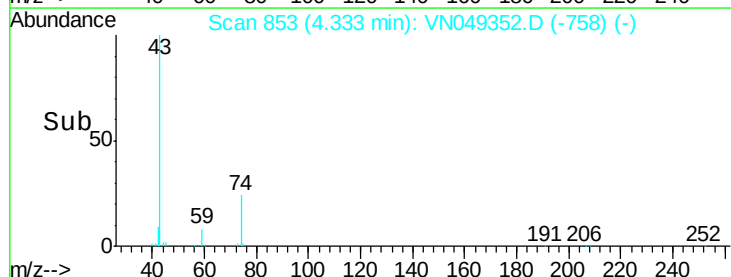
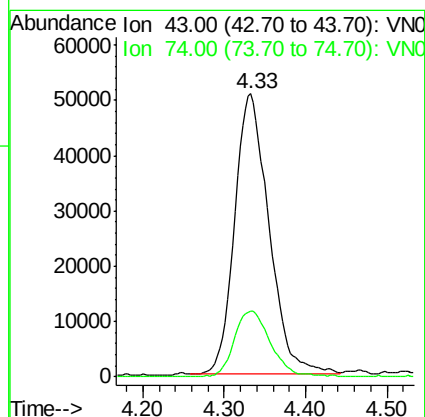
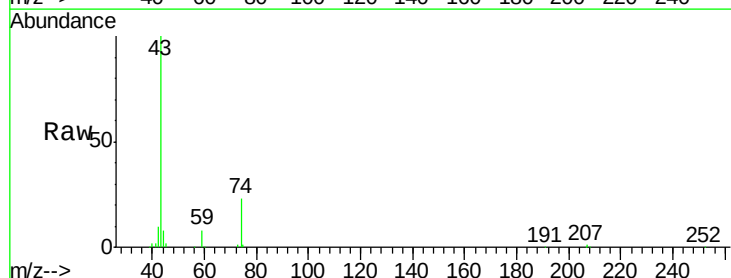
Acq: 18 Jun 2018 19:05

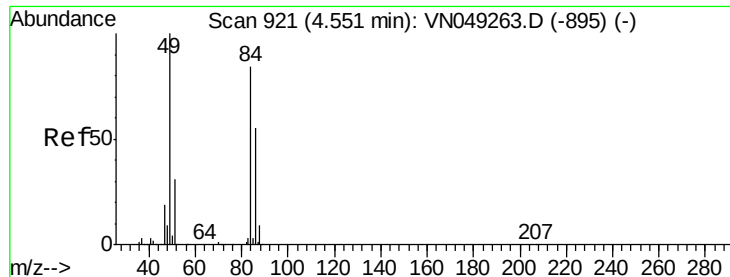
Tgt Ion: 43 Resp: 149422

Ion Ratio Lower Upper

43 100

74 24.2 17.4 26.0

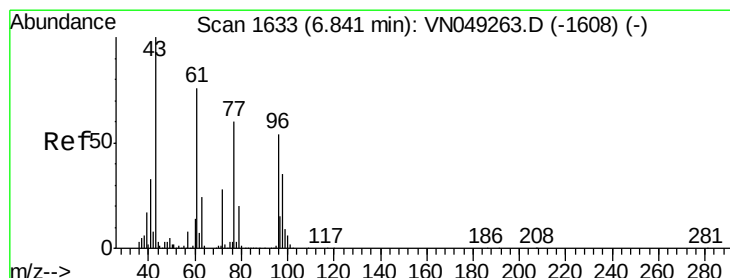
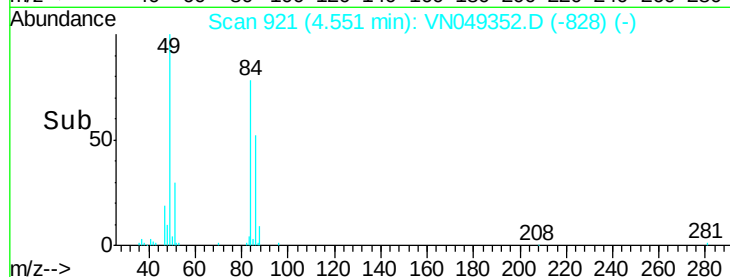
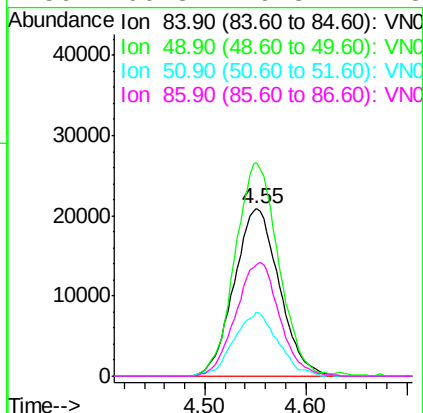
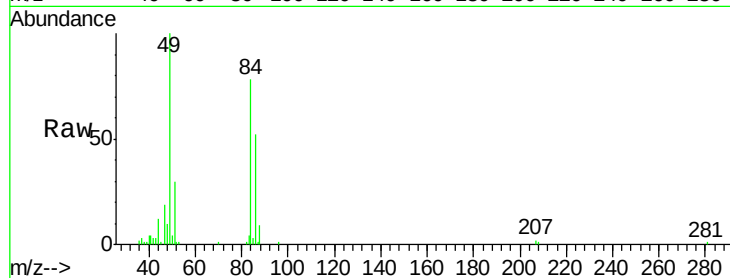




#20
Methylene Chloride
Concen: 3.93 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

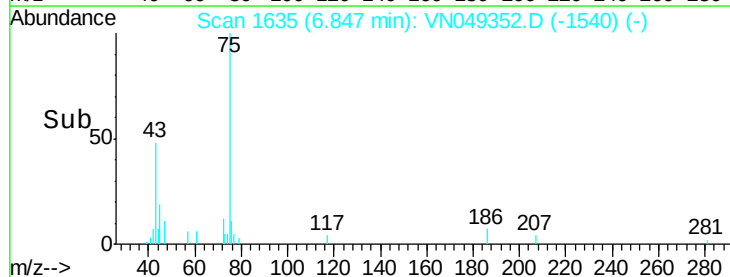
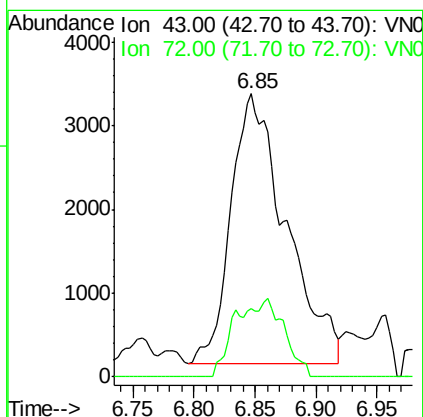
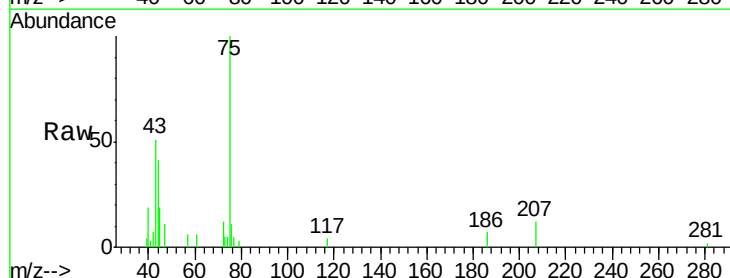
Instrument :
MSVOA_N
ClientSampleId :

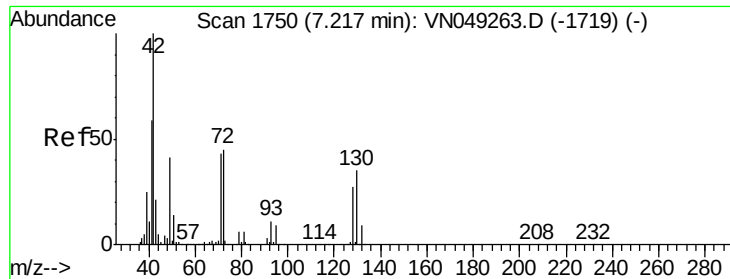
Tot Ion: 84 Resp: 64804
Ion Ratio Lower Upper
84 100
49 127.7 106.9 160.3
51 38.3 32.7 49.1
86 66.8 49.8 74.8



#25
2-Butanone
Concen: 1.91 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Tgt Ion: 43 Resp: 10147
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2

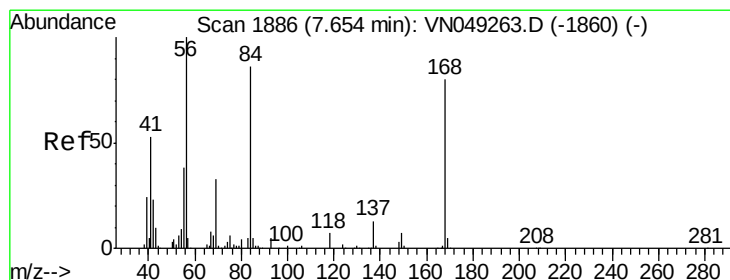
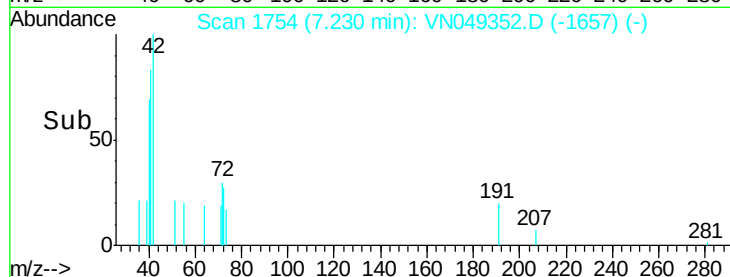
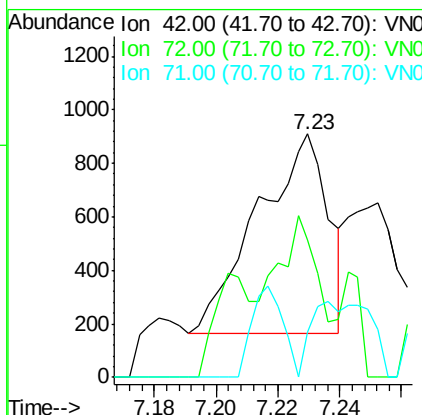
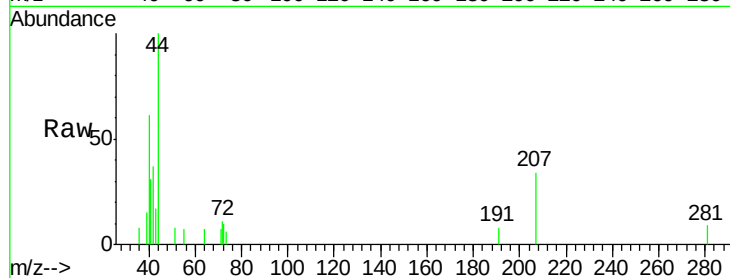




#29
Tetrahydrofuran
Concen: 0.35 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.01 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

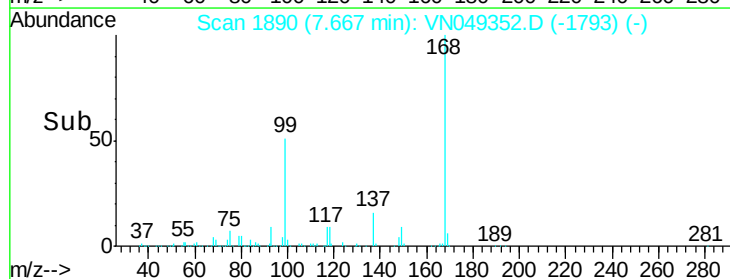
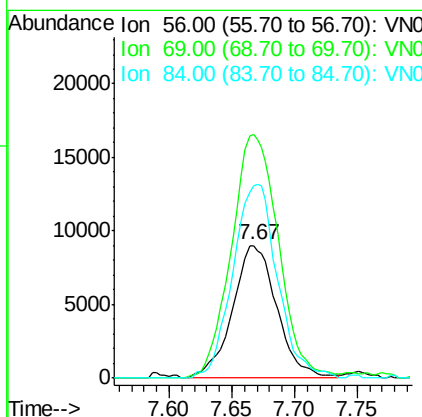
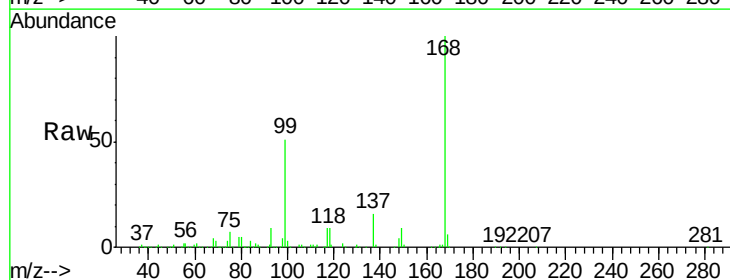
Instrument :
MSVOA_N
ClientSampled :

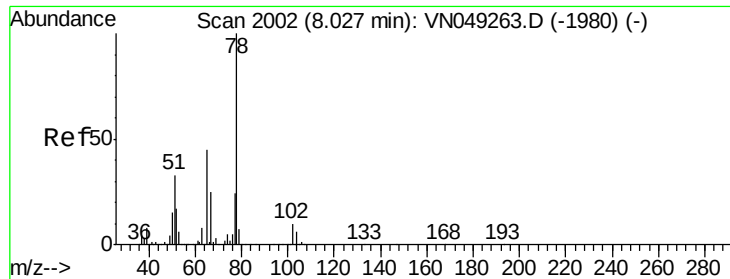
Tot Ion: 42 Resp: 1183
Ion Ratio Lower Upper
42 100
72 48.0 32.2 48.4
71 19.9 30.5 45.7#



#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Tgt Ion: 56 Resp: 22210
Ion Ratio Lower Upper
56 100
69 181.9 25.0 37.4#
84 145.1 64.6 96.8#

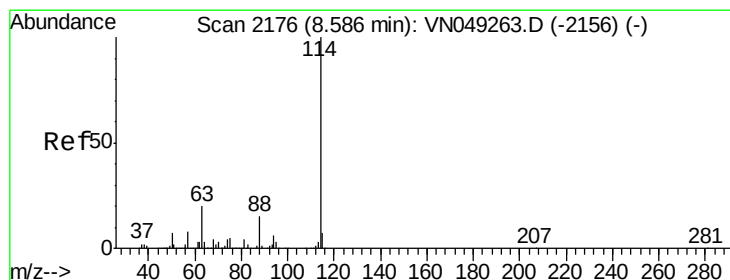
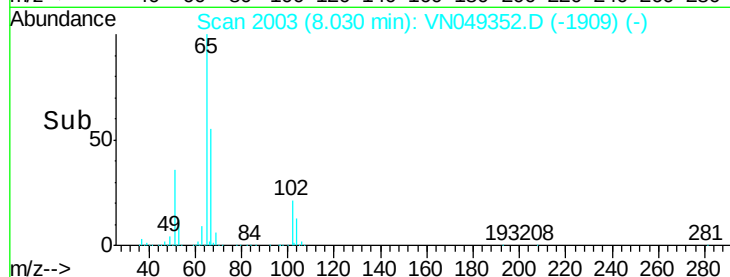
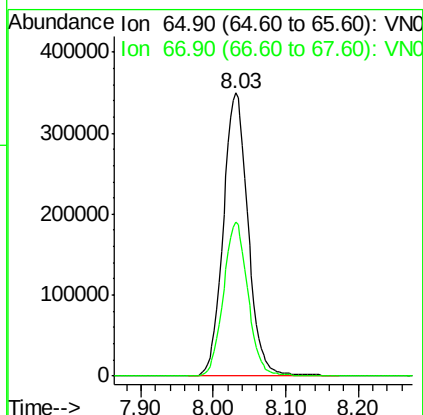
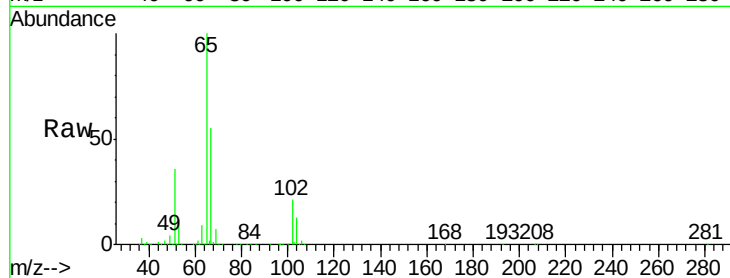




#33
 1,2-Dichloroethane-d4
 Concen: 51.05 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049352.D
 Acq: 18 Jun 2018 19:05

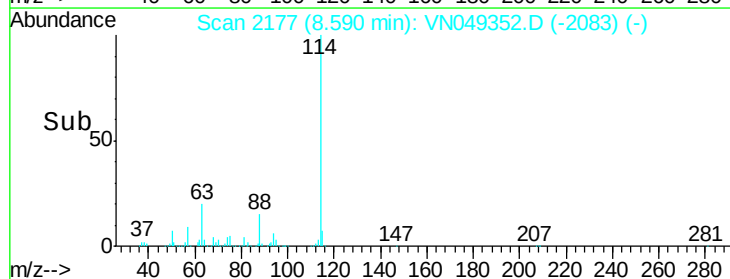
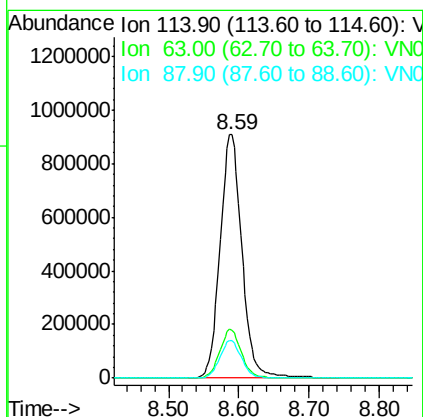
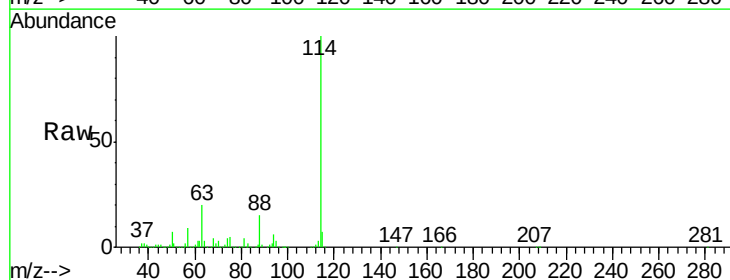
Instrument :
 MSVOA_N
 ClientSampled :

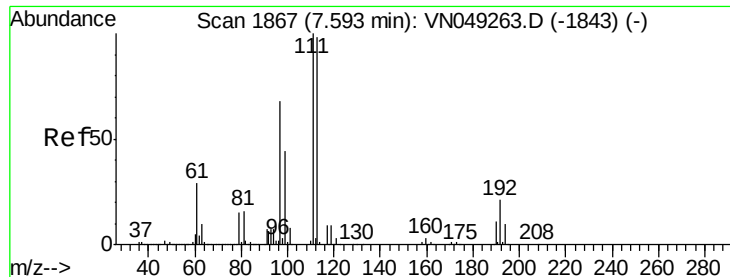
Tot Ion: 65 Resp: 829968
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049352.D
 Acq: 18 Jun 2018 19:05

Tgt Ion: 114 Resp: 1964315
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.75 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

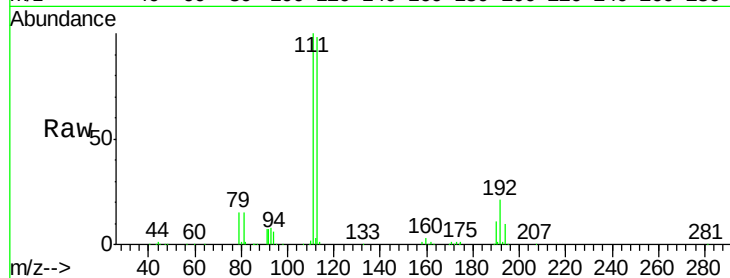
Tot Ion:113 Resp: 727128

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

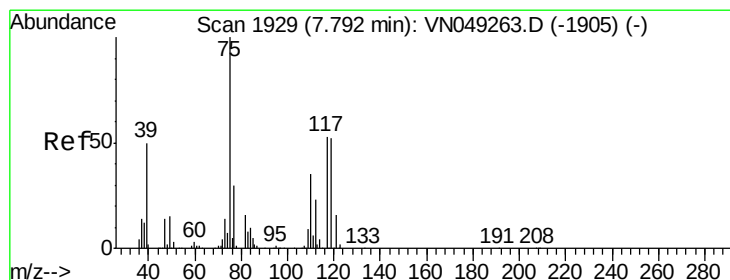
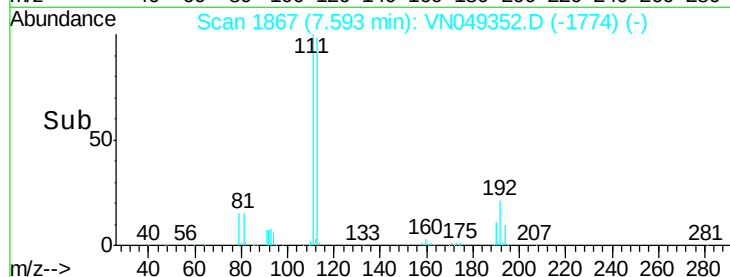
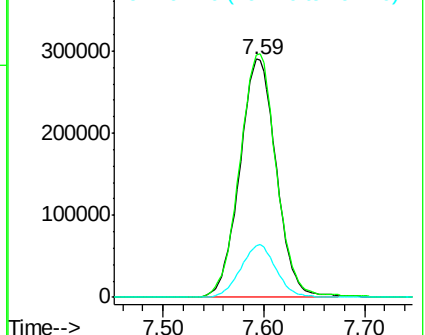
192 21.6 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.82 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

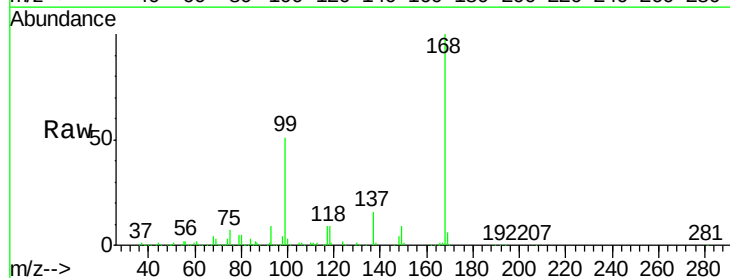
Tgt Ion: 75 Resp: 86079

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

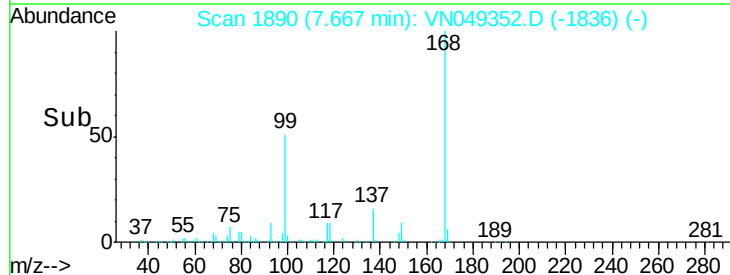
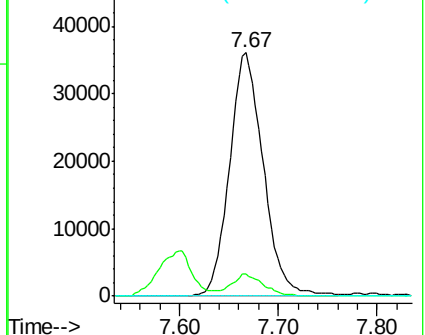
77 0.0 24.4 36.6#

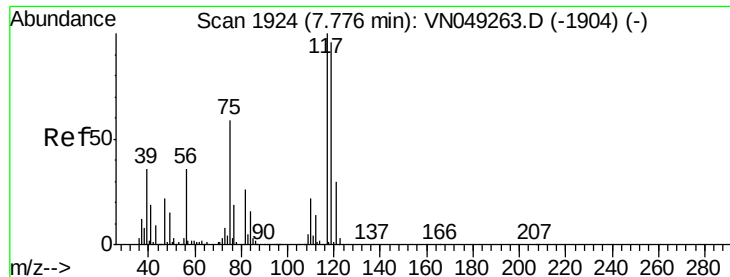


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

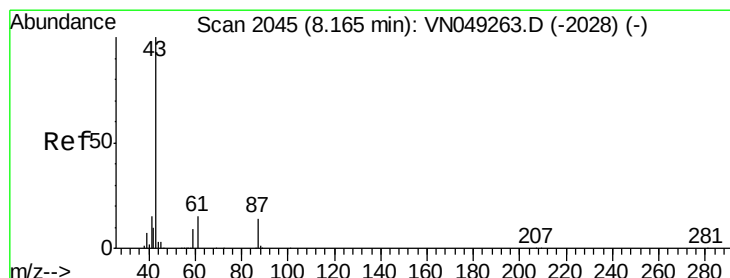
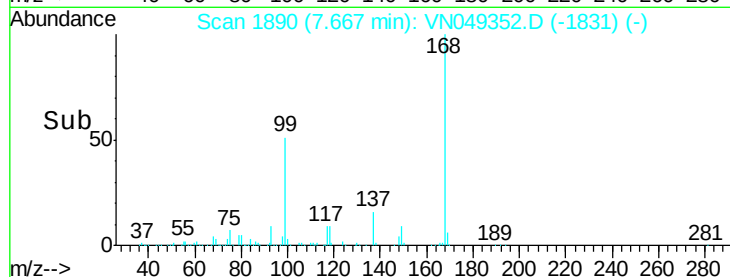
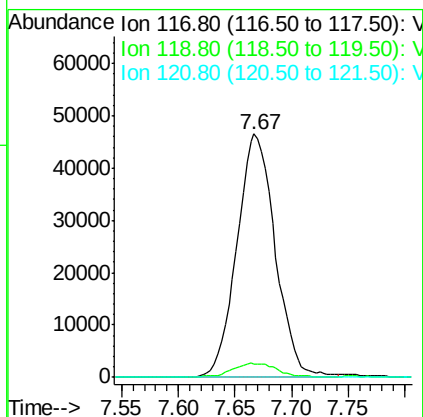
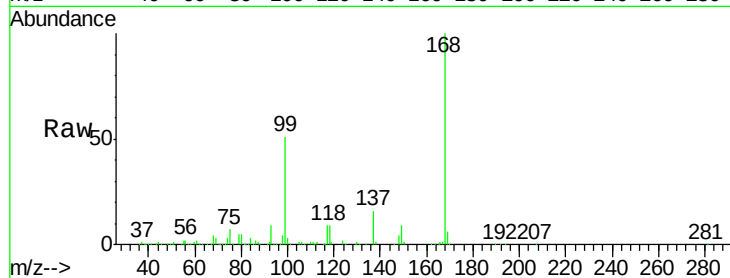




#38
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

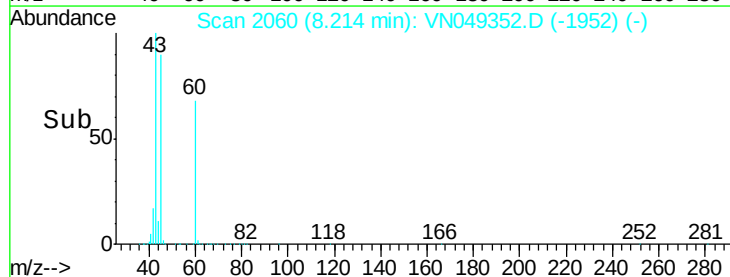
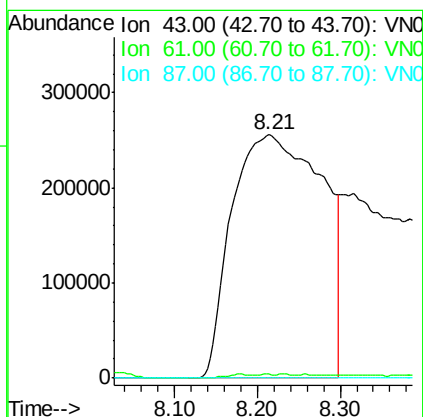
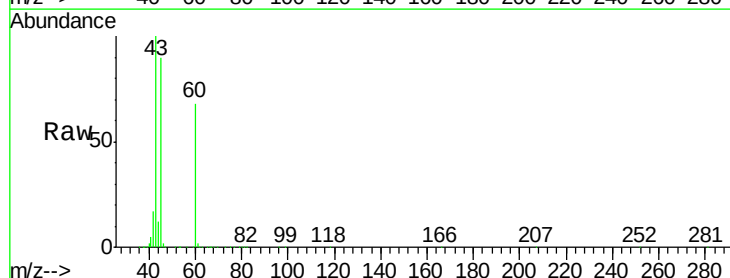
Instrument :
MSVOA_N
ClientSampleId :

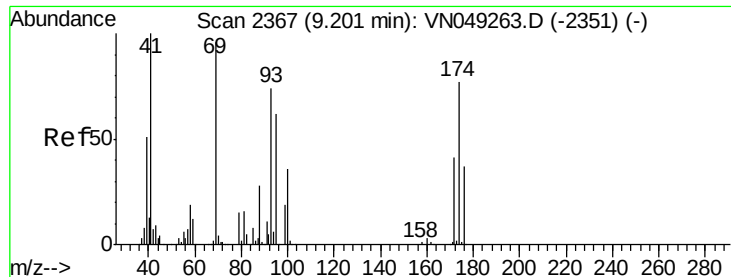
Tot Ion:117 Resp: 110081
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 82.39 ug/l
RT: 8.21 min Scan# 2060
Delta R.T. 0.05 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Tgt Ion: 43 Resp: 1926666
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.4 14.0#

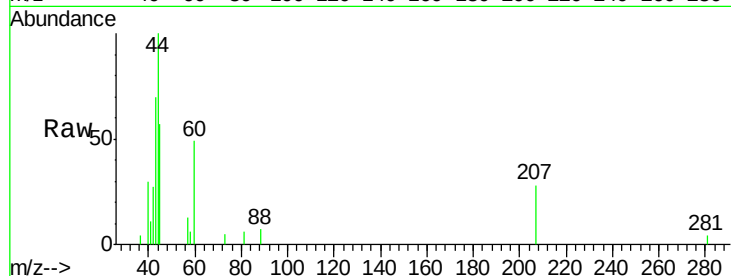




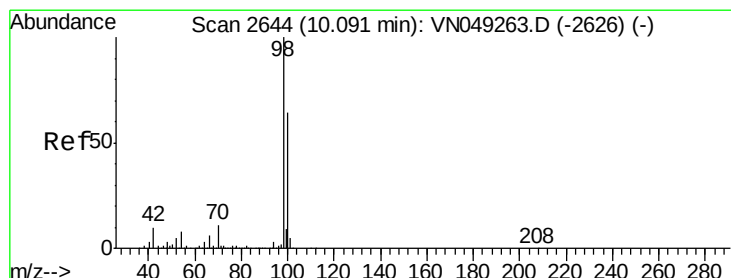
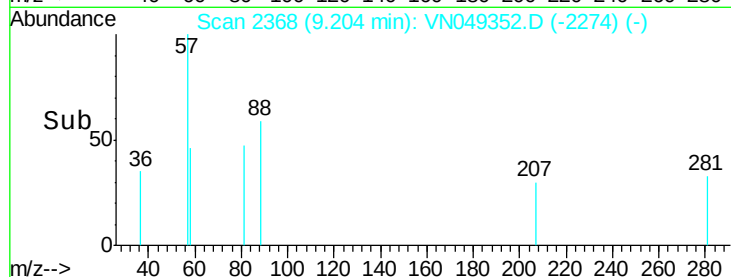
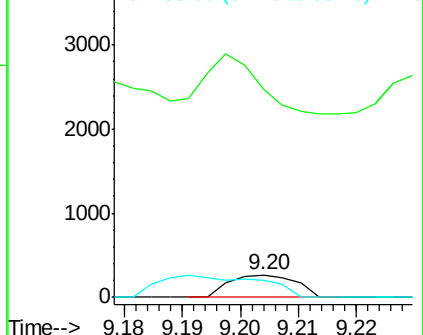
#49
1,4-Dioxane
Concen: 1.38 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 224.9 30.9 46.3#
58 152.6 58.9 88.3#

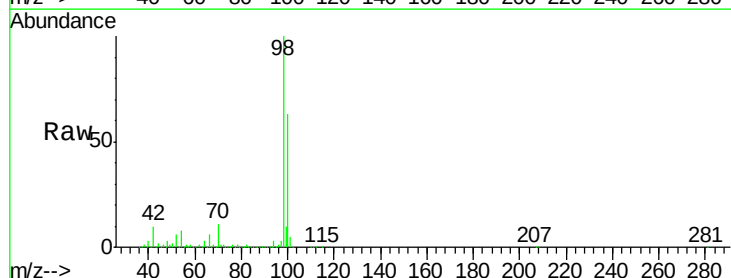


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

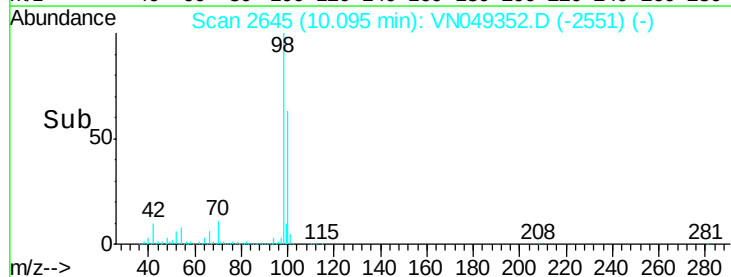
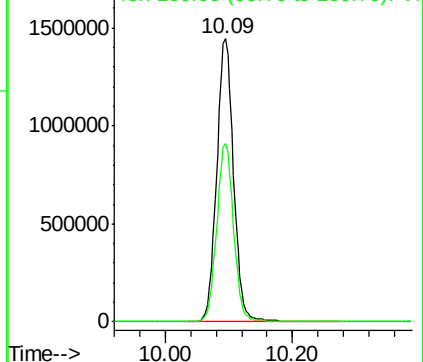


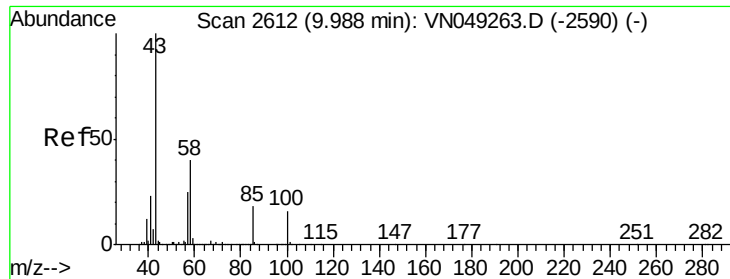
#50
Toluene-d8
Concen: 43.88 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Tgt Ion: 98 Resp: 2655182
Ion Ratio Lower Upper
98 100
100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.57 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

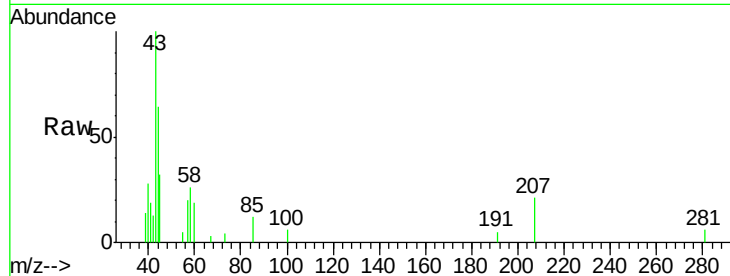
ClientSampled :

Tot Ion: 43 Resp: 6993

Ion Ratio Lower Upper

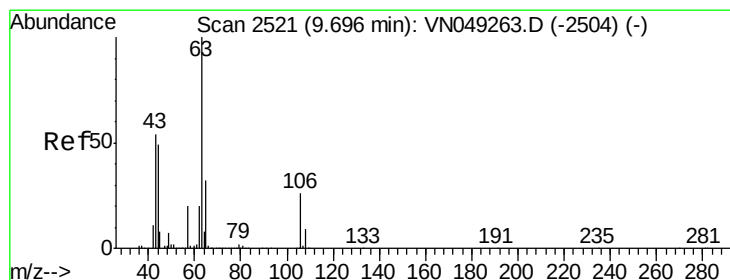
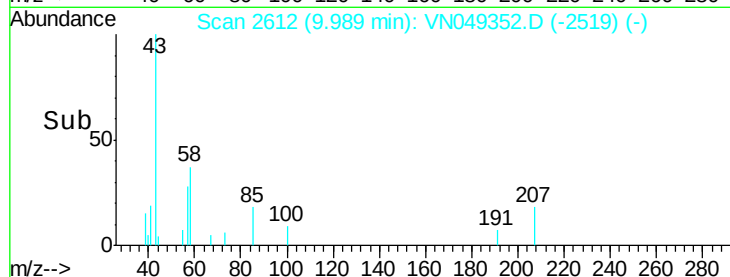
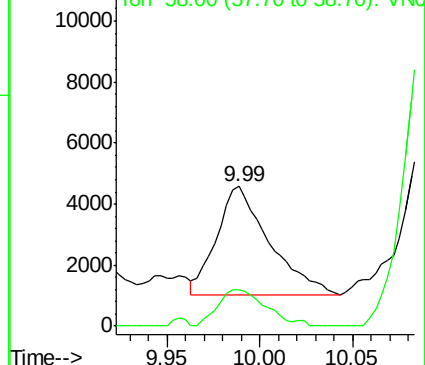
43 100

58 31.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.62 min Scan# 2498

Delta R.T. -0.07 min

Lab File: VN049352.D

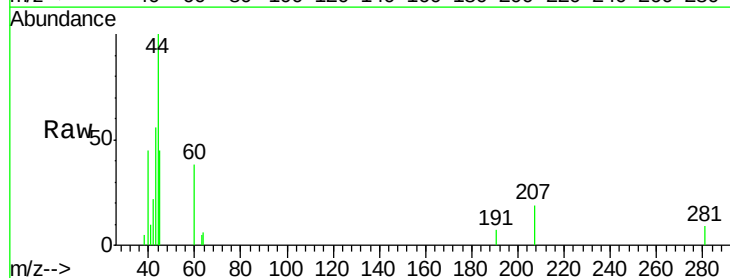
Acq: 18 Jun 2018 19:05

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

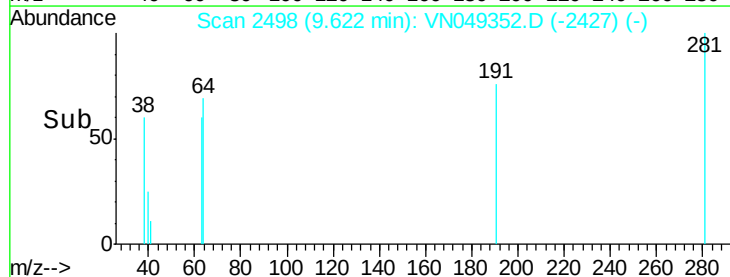
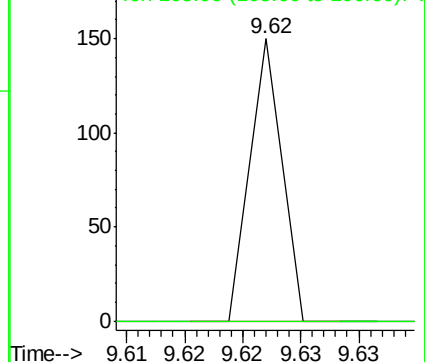
63 100

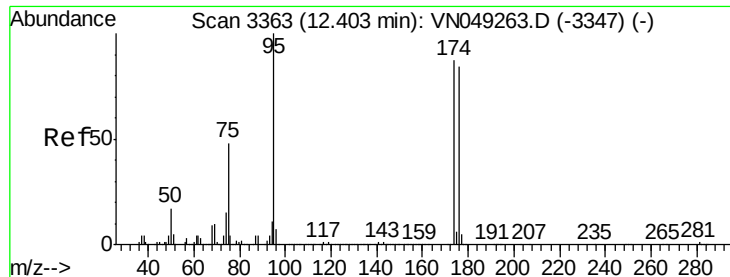
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

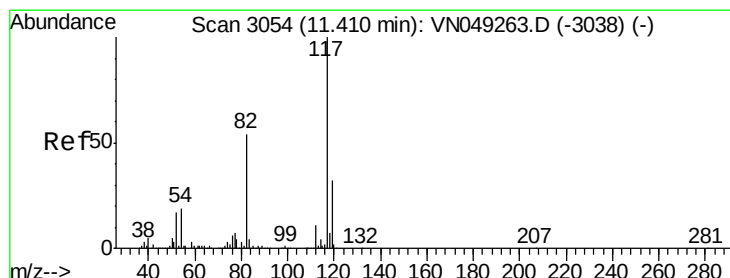
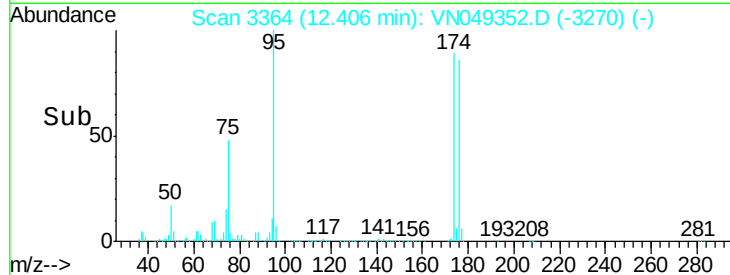
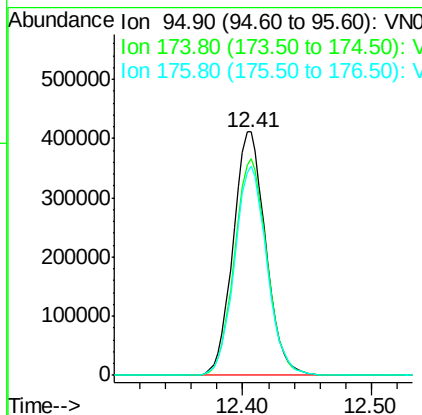
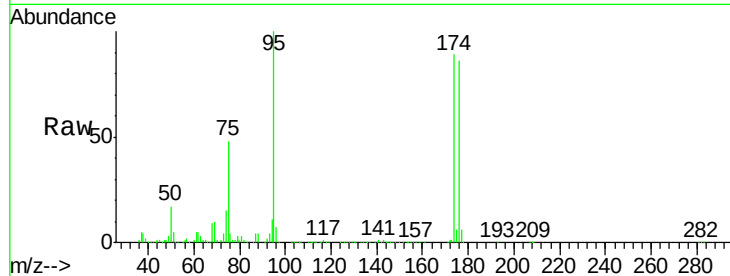




#62
4-Bromofluorobenzene
Concen: 36.03 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

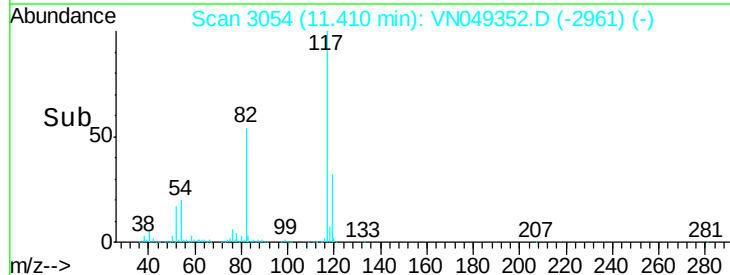
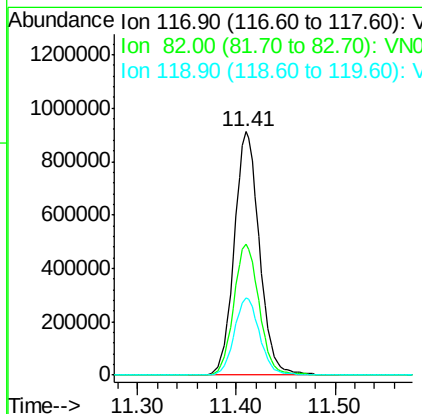
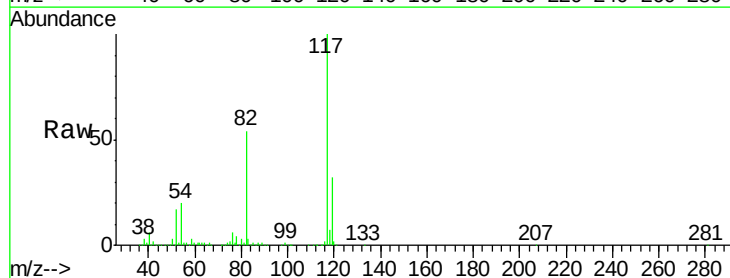
Instrument :
MSVOA_N
ClientSampled :

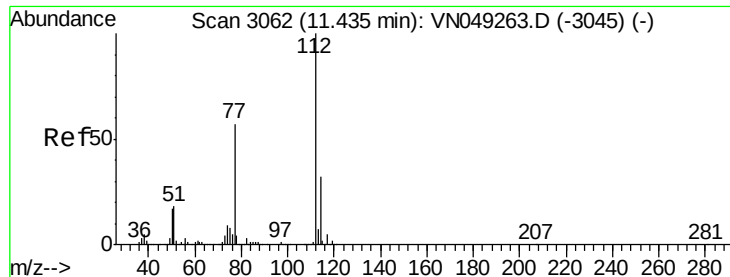
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	165.6
176	85.3	0.0	157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.9	68.9
119	31.5	25.5	38.3

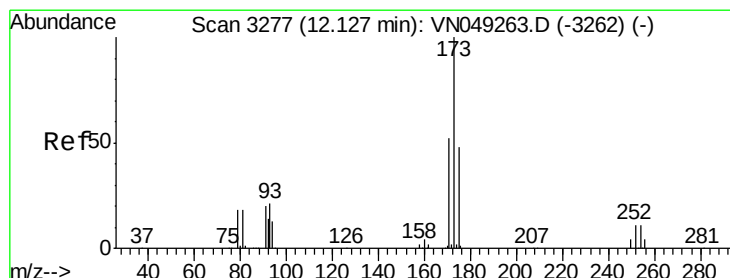
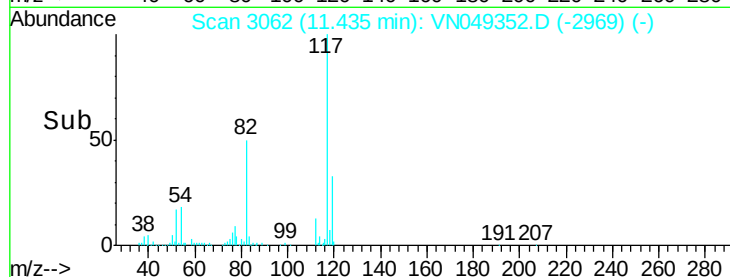
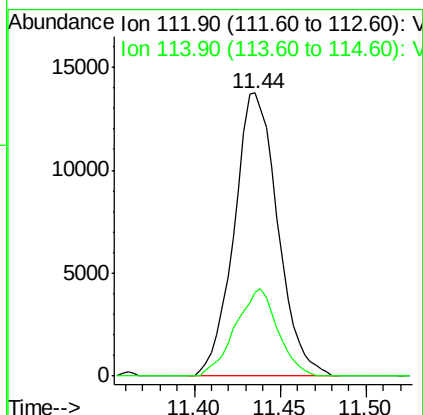
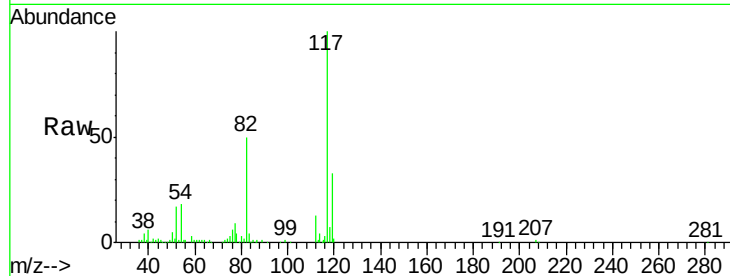




#65
Chlorobenzene
Concen: 0.58 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

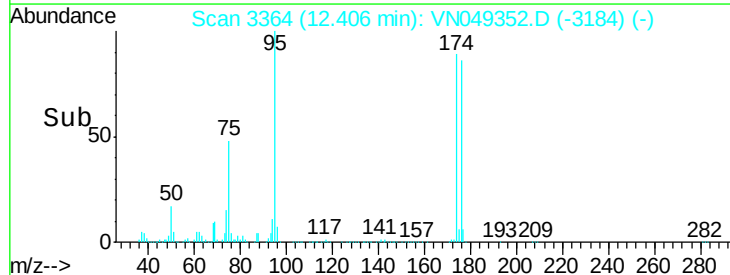
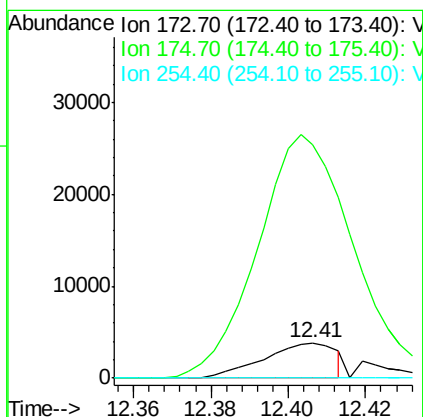
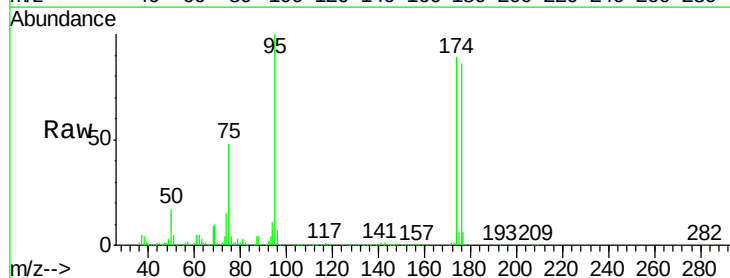
Instrument :
MSVOA_N
ClientSampled :

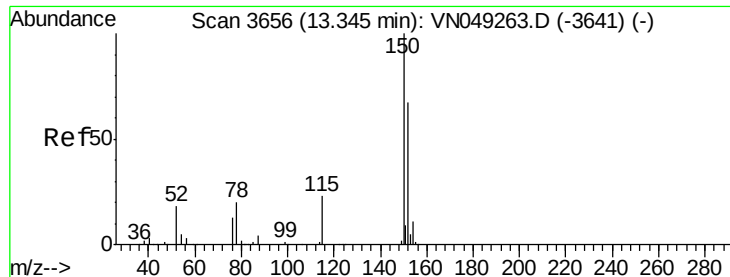
Tot Ion:112 Resp: 24296
Ion Ratio Lower Upper
112 100
114 29.6 26.2 39.4



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049352.D
Acq: 18 Jun 2018 19:05

Tgt Ion:173 Resp: 4920
Ion Ratio Lower Upper
173 100
175 734.9 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

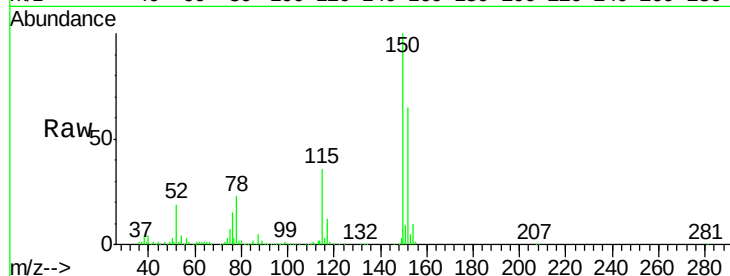
Tot Ion:152 Resp: 535466

Ion Ratio Lower Upper

152 100

115 55.6 28.7 86.1

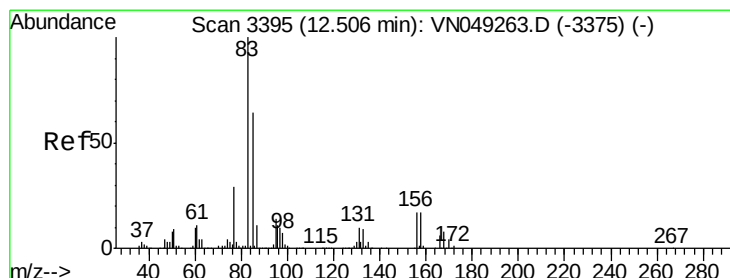
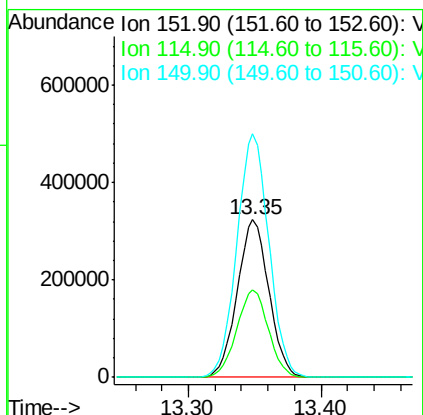
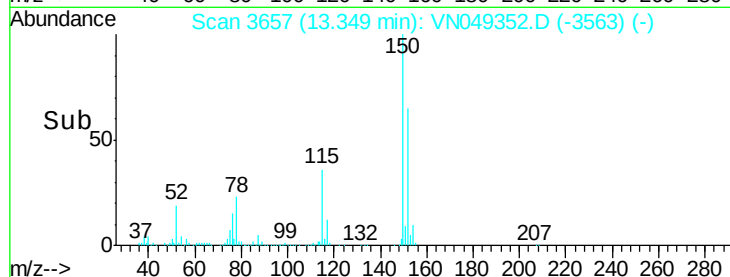
150 156.7 0.0 351.0



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: 12.48 min Scan# 3388

Delta R.T. -0.02 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

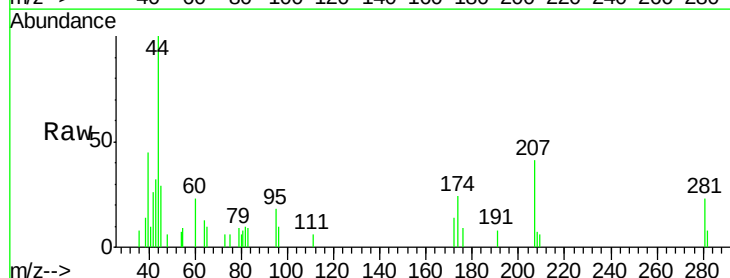
Tgt Ion: 83 Resp: 163

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

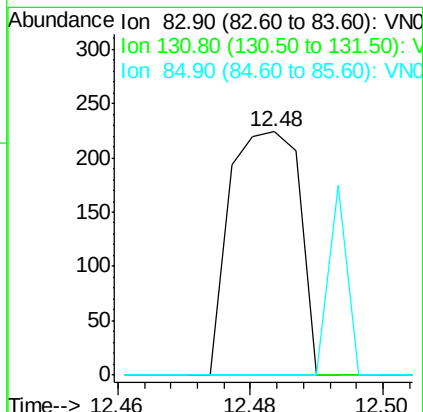
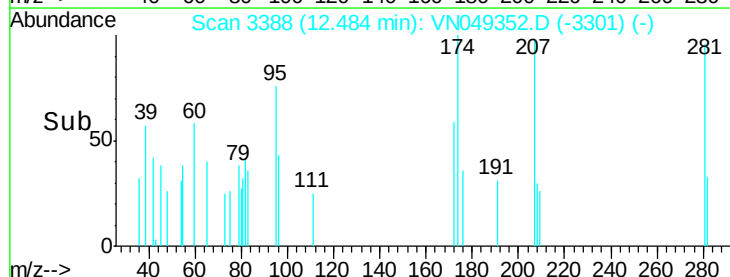
85 20.9 32.0 96.0#

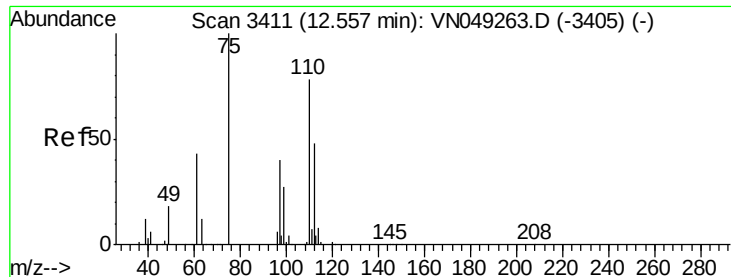


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 38.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

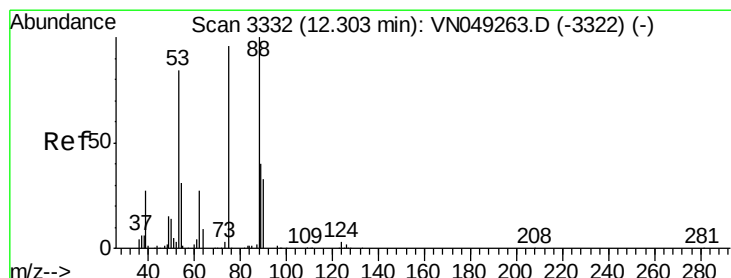
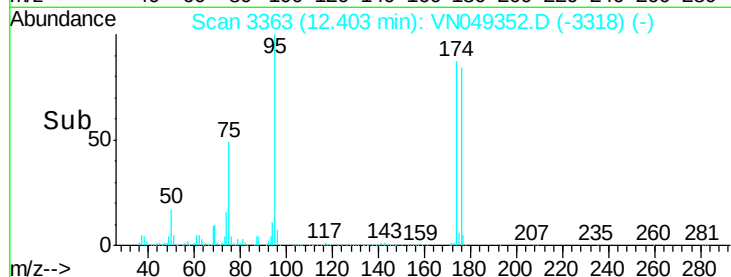
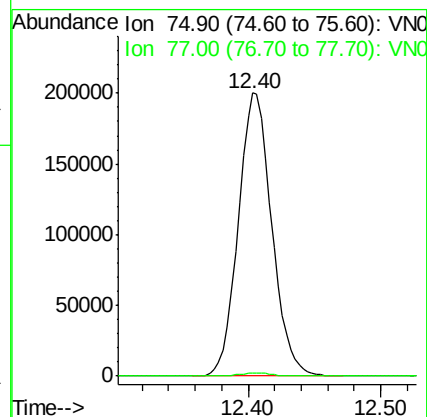
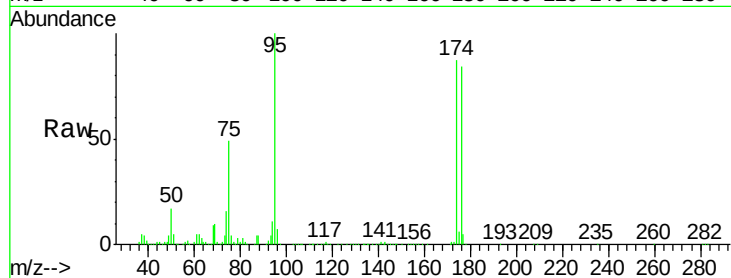
ClientSampleId :

Tot Ion: 75 Resp: 350367

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.20 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

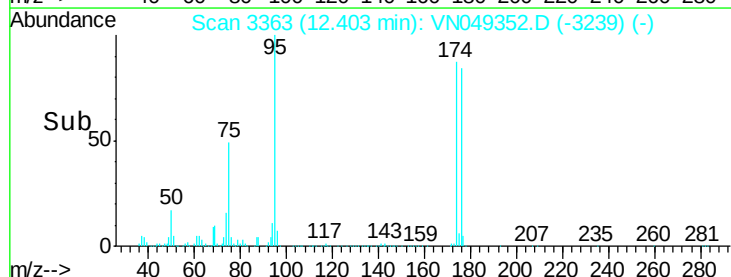
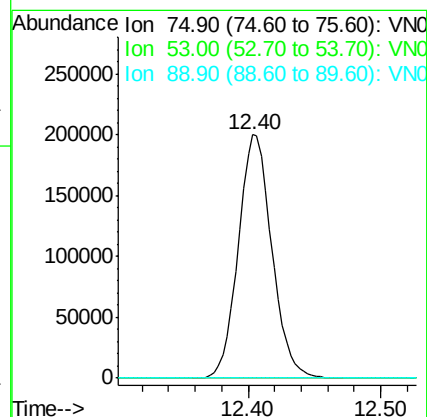
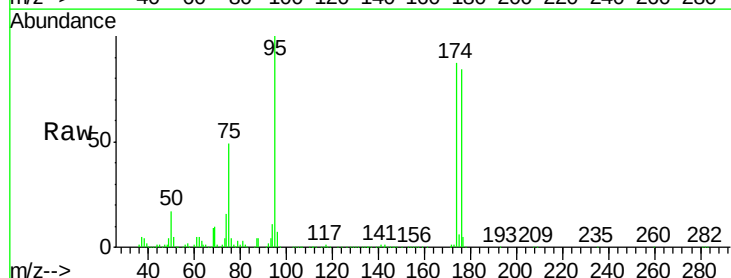
Tgt Ion: 75 Resp: 350367

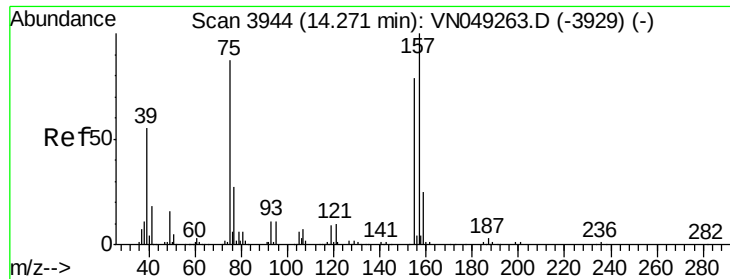
Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

89 0.0 36.5 54.7#

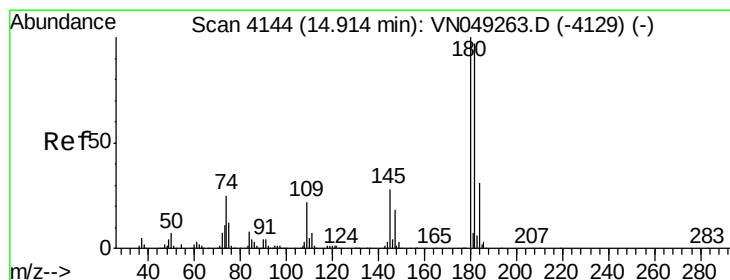
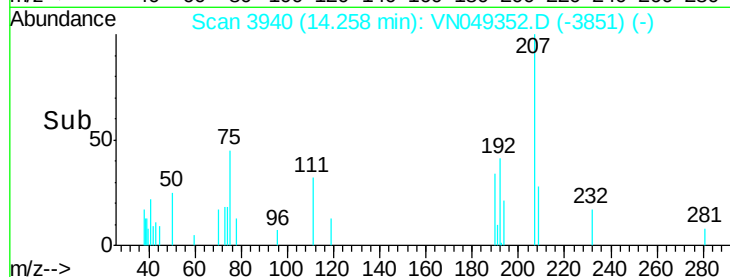
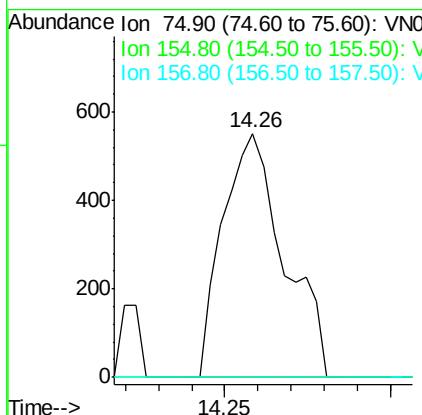
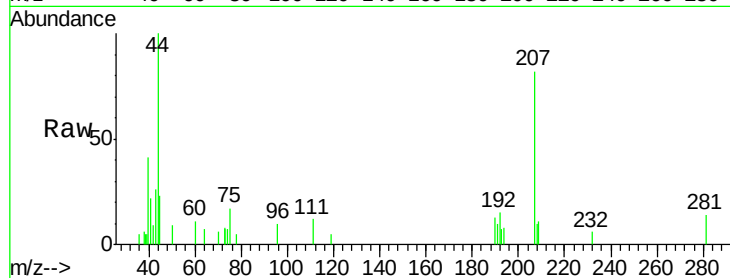




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.43 ug/l
 RT: 14.26 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VN049352.D
 Acq: 18 Jun 2018 19:05

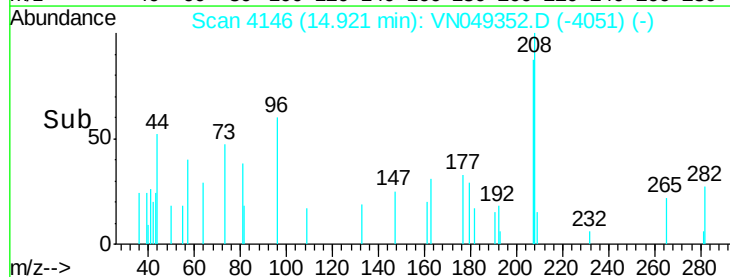
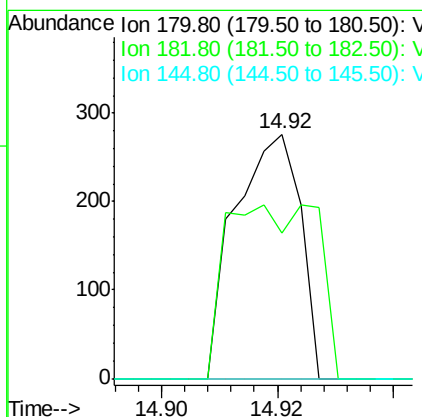
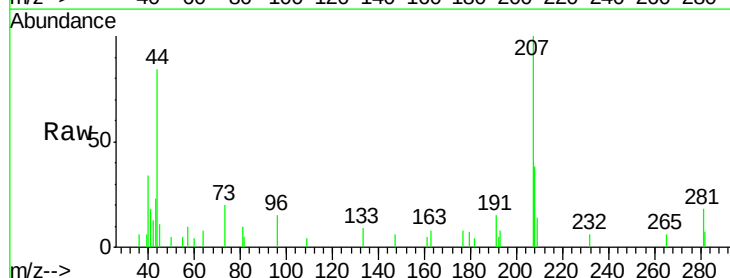
Instrument :
 MSVOA_N
 ClientSampleId :

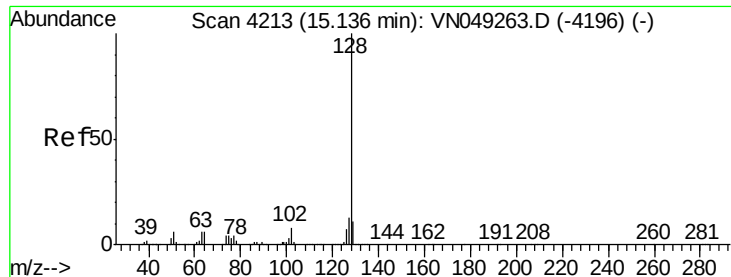
Tot Ion: 75 Resp: 708
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.8 116.3#
 157 0.0 51.0 153.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.76 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.01 min
 Lab File: VN049352.D
 Acq: 18 Jun 2018 19:05

Tgt Ion:180 Resp: 215
 Ion Ratio Lower Upper
 180 100
 182 100.9 46.9 140.8
 145 0.0 14.7 44.1#





#95

Naphthalene

Concen: 2.15 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

Instrument :

MSVOA_N

ClientSampleId :

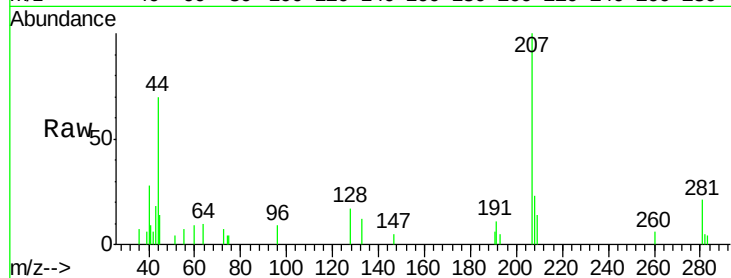
Tot Ion:128 Resp: 1119

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

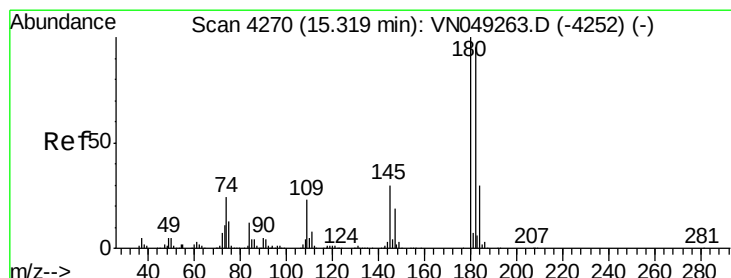
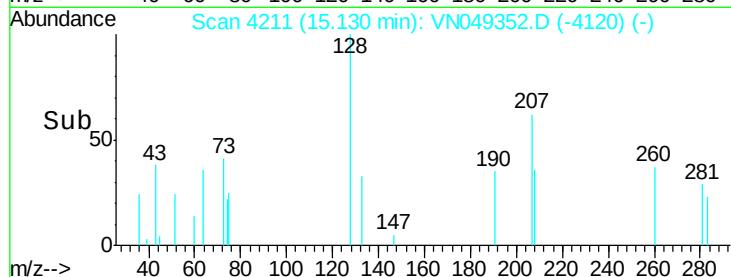
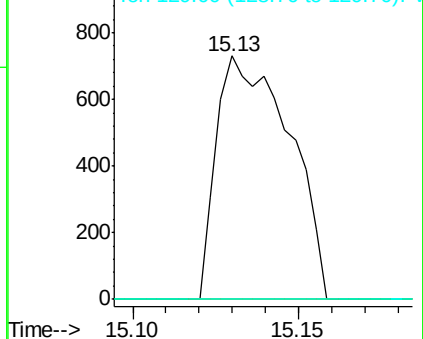
129 0.0 8.5 12.7#



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: 3.47 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049352.D

Acq: 18 Jun 2018 19:05

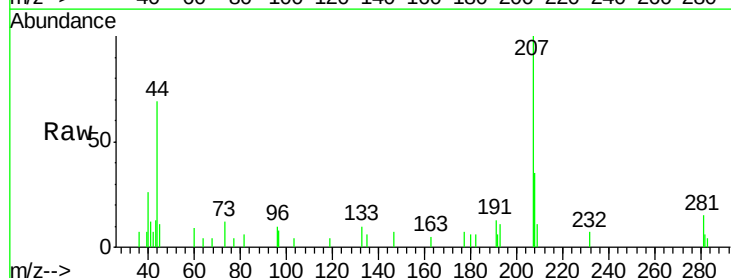
Tgt Ion:180 Resp: 128

Ion Ratio Lower Upper

180 100

182 233.6 47.3 141.8#

145 0.0 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

