

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049294.D
 Acq On : 16 Jun 2018 7:17
 Operator : MD\SY
 Sample : J3504-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:13:03 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	1329848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2113124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1666340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	540934	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	890250	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	814895	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	10.09	98	2842812	43.67	ug/l	0.00
Spiked Amount			Recovery	=	87.34%	
62) 4-Bromofluorobenzene	12.40	95	729376	33.89	ug/l	0.00
Spiked Amount			Recovery	=	67.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	4305	0.39	ug/l	98
13) Acrolein	3.61	56	557	0.51	ug/l	88
16) Acetone	3.83	43	44056	10.29	ug/l	90
18) Methyl Acetate	4.34	43	112129	8.59	ug/l	99
20) Methylene Chloride	4.55	84	197963	11.07	ug/l	90
25) 2-Butanone	6.85	43	8862	1.54	ug/l #	88
30) Chloroform	7.38	83	17547	0.57	ug/l	99
31) Cyclohexane	7.67	56	24438	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	95118	3.93	ug/l #	50
38) Carbon Tetrachloride	7.67	117	120455	4.80	ug/l #	18
43) Isopropyl Acetate	8.21	43	366540	14.57	ug/l #	64
44) Trichloroethene	8.83	130	6255	0.32	ug/l	91
47) Bromodichloromethane	9.40	83	7902	0.32	ug/l #	86
49) 1,4-Dioxane	9.21	88	34	0.21	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5346	0.41	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.65	63	73	14.34	ug/l #	51
65) Chlorobenzene	11.44	112	16932	0.39	ug/l	96
67) Ethyl Benzene	11.51	91	16760	0.24	ug/l	94
68) m/p-Xylenes	11.62	106	25215	0.94	ug/l	95
69) o-Xylene	11.95	106	8503	0.33	ug/l	94
73) Isopropylbenzene	12.25	105	20459	0.43	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	29	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	354556	38.41	ug/l #	100
78) n-propylbenzene	12.59	91	48722	0.93	ug/l	97
79) 2-Chlorotoluene	12.59	91	48722	1.47	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.40	75	354556	121.41	ug/l #	8
82) 4-Chlorotoluene	12.59	91	48722	1.53	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	10990	0.30	ug/l	97
85) sec-Butylbenzene	13.17	105	25752	0.59	ug/l #	77
89) n-Butylbenzene	13.61	91	9803	0.34	ug/l #	70
92) 1,2-Dibromo-3-Chloropropan	14.27	75	499	0.30	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	867	4.83	ug/l #	1
94) Hexachlorobutadiene	15.02	225	282	Below Cal	#	63
95) Naphthalene	15.14	128	63822	6.29	ug/l	97

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Response via : Initial Calibration

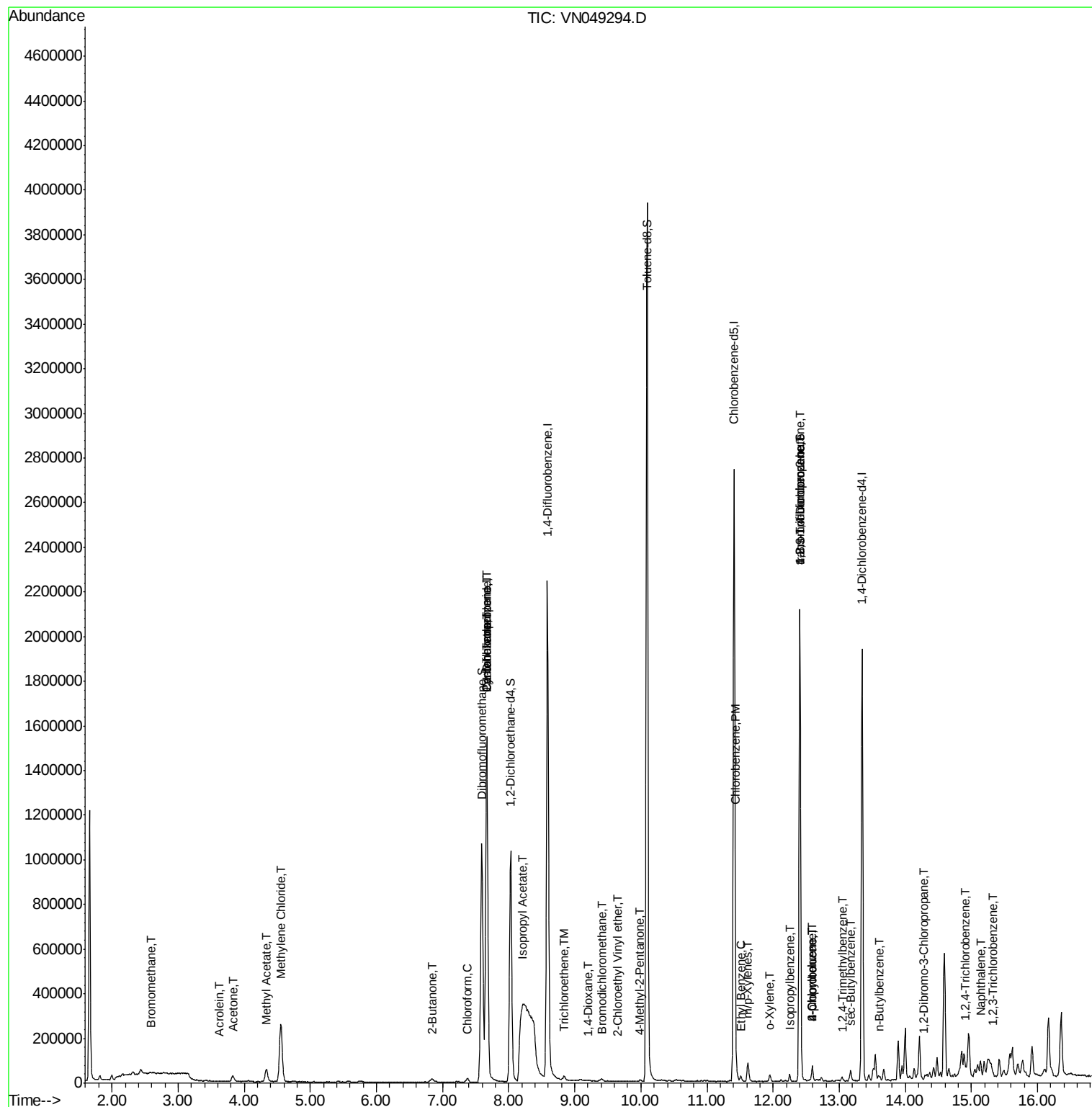
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.33	180	401	3.50	ug/l #	13

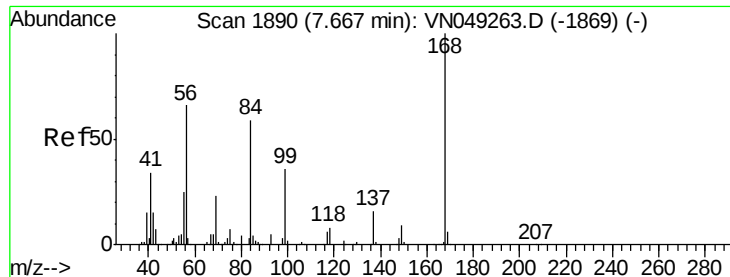
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

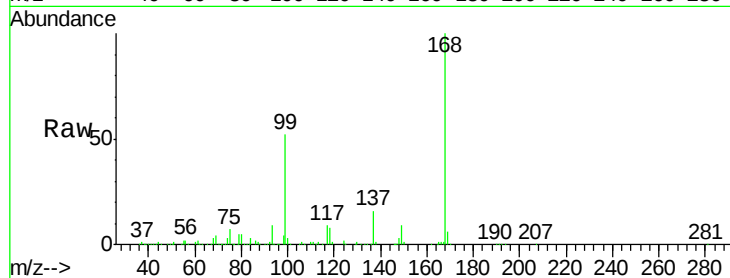
ClientSampled :

Tot Ion:168 Resp: 1329848

Ion Ratio Lower Upper

168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

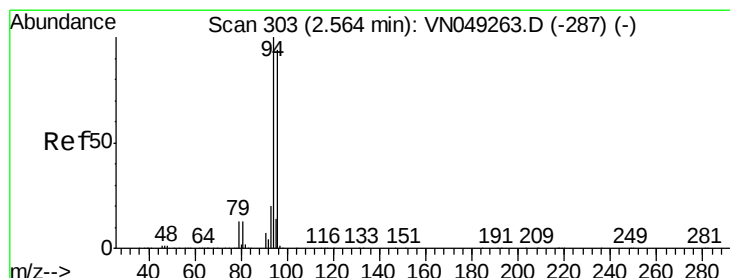
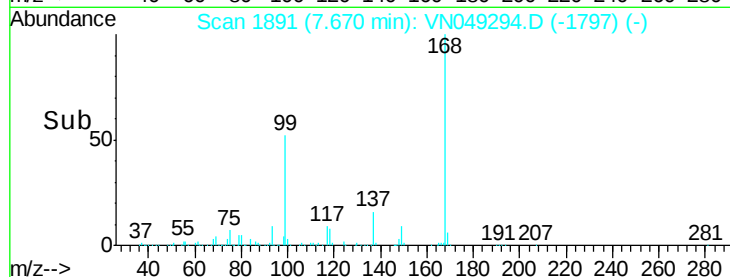
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.39 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049294.D

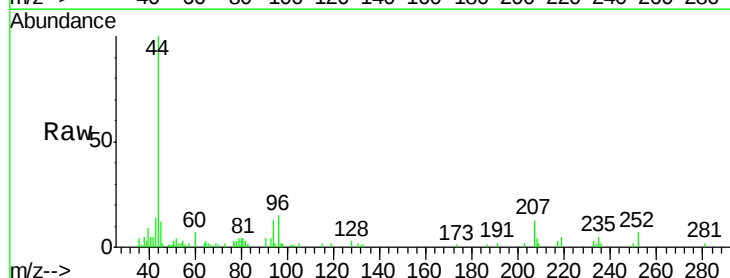
Acq: 16 Jun 2018 7:17

Tgt Ion: 94 Resp: 4305

Ion Ratio Lower Upper

94 100

96 89.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2500

2000

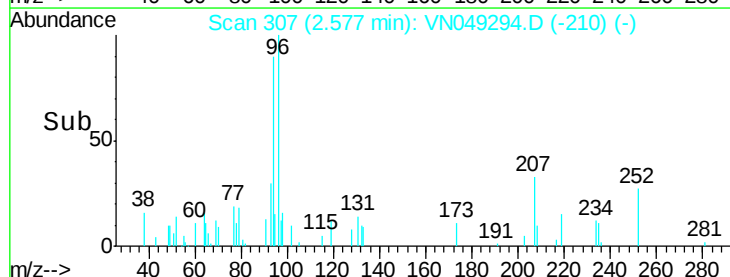
1500

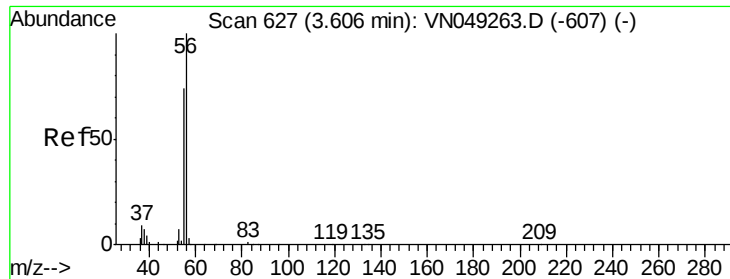
1000

500

0

Time--> 2.50 2.55 2.60 2.65





#13

Acrolein

Concen: 0.51 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

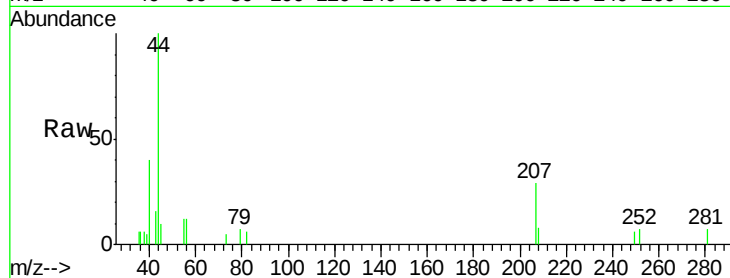
ClientSampled :

Tot Ion: 56 Resp: 557

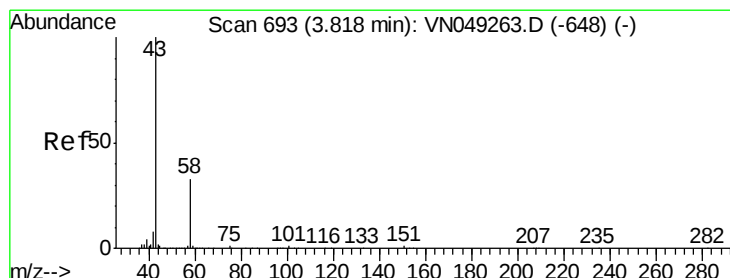
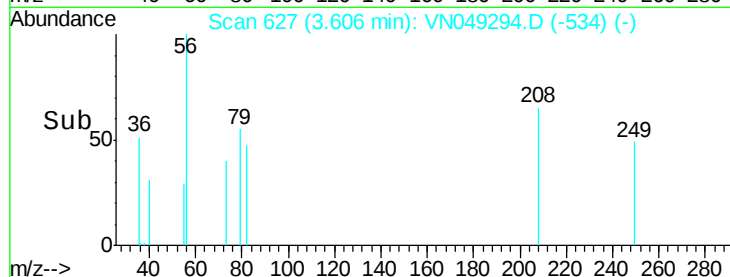
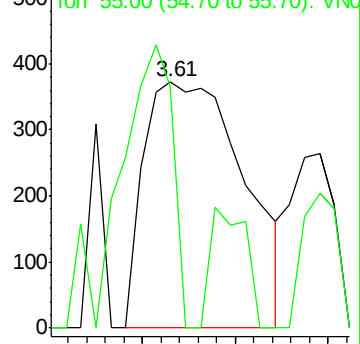
Ion Ratio Lower Upper

56 100

55 61.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN049294.D (-534) (-)



#16

Acetone

Concen: 10.29 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049294.D

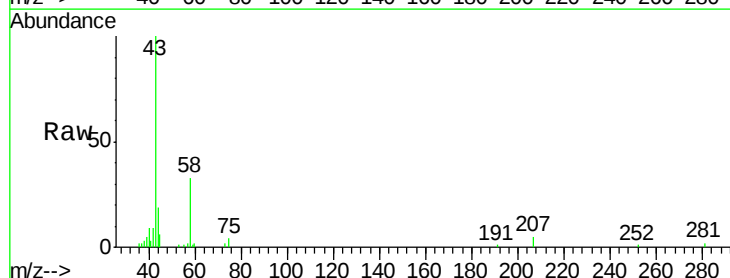
Acq: 16 Jun 2018 7:17

Tgt Ion: 43 Resp: 44056

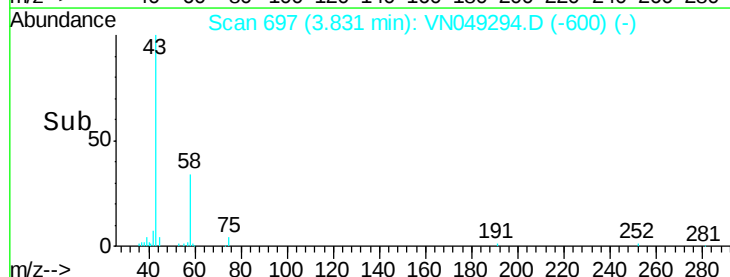
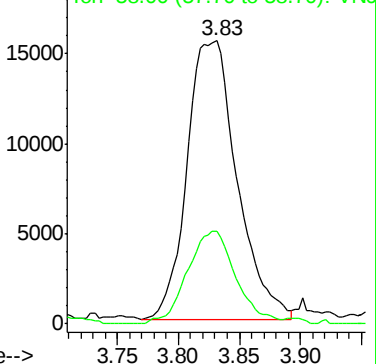
Ion Ratio Lower Upper

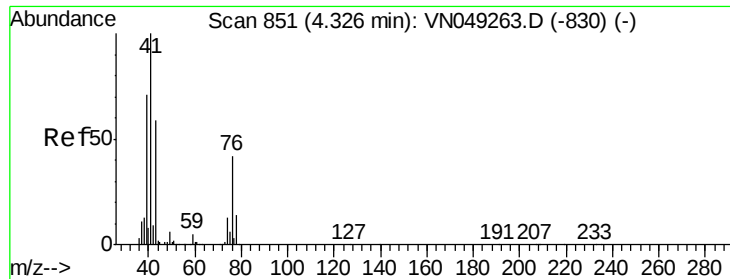
43 100

58 33.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049294.D (-600) (-)

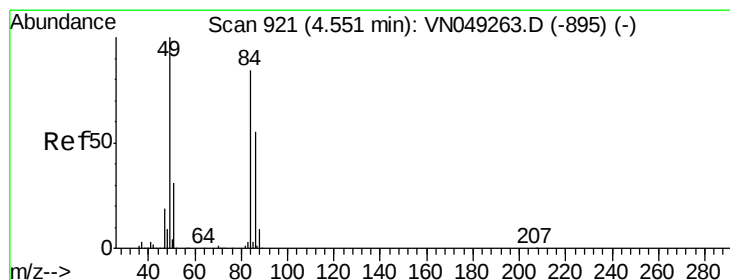
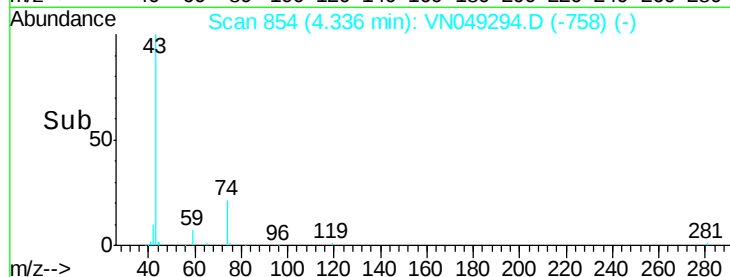
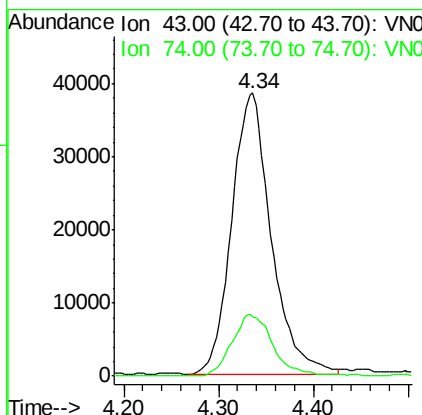
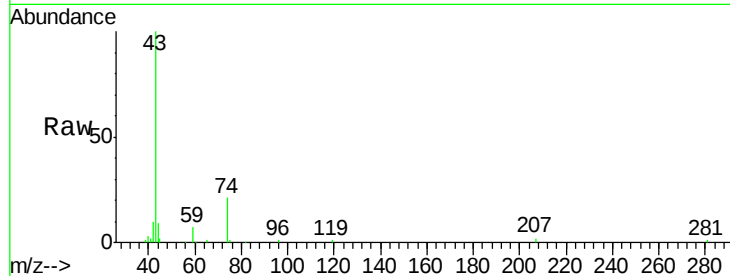




#18
Methvl Acetate
Concen: 8.59 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

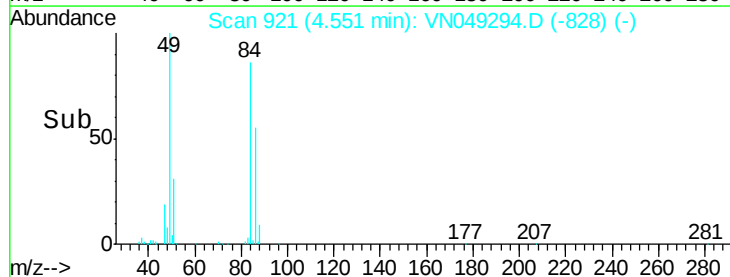
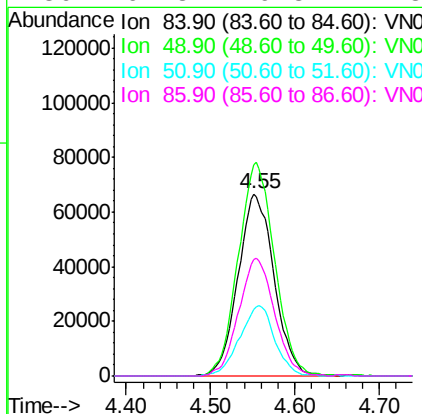
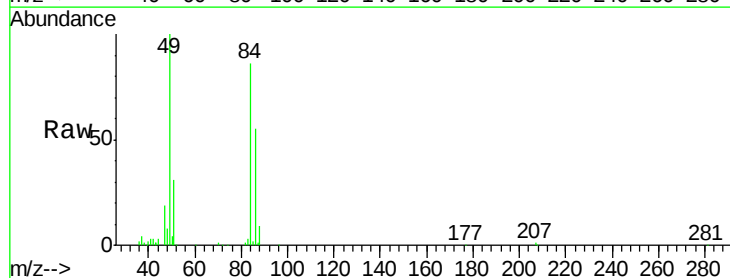
Instrument :
MSVOA_N
ClientSampleId :

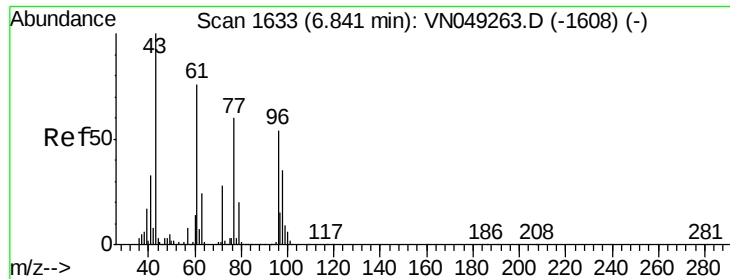
Tot Ion: 43 Resp: 112129
Ion Ratio Lower Upper
43 100
74 22.4 17.4 26.0



#20
Methylene Chloride
Concen: 11.07 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Tgt Ion: 84 Resp: 197963
Ion Ratio Lower Upper
84 100
49 116.0 106.9 160.3
51 36.3 32.7 49.1
86 64.3 49.8 74.8

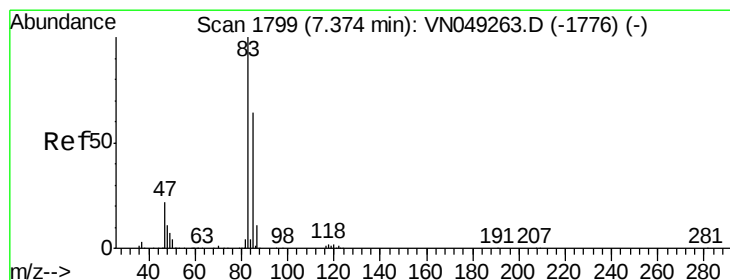
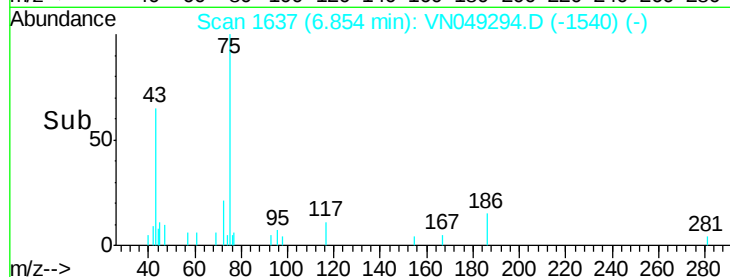
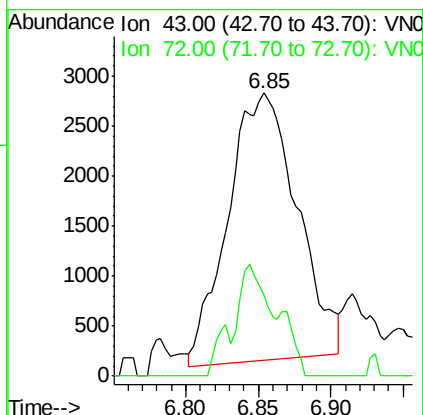
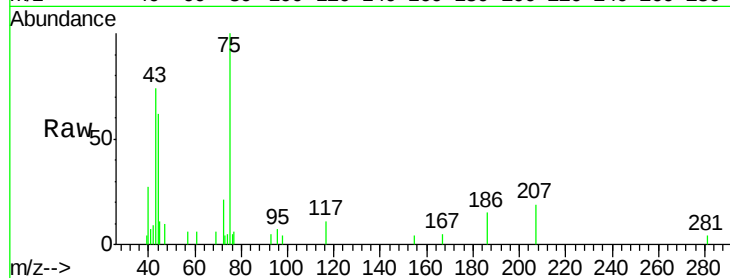




#25
2-Butanone
Concen: 1.54 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

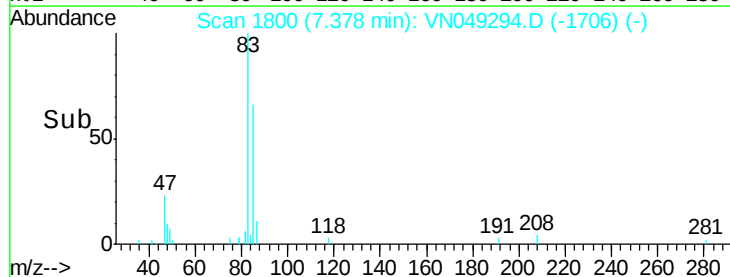
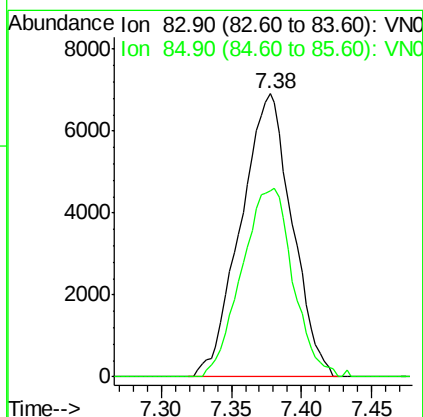
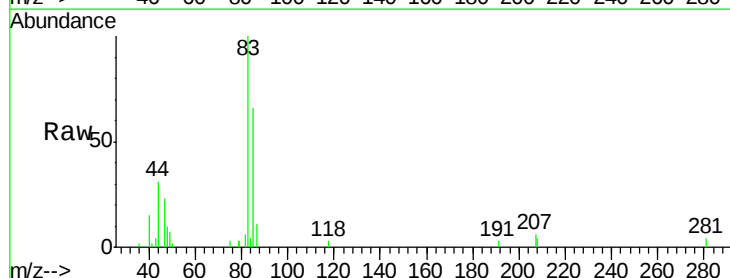
Instrument :
MSVOA_N
ClientSampled :

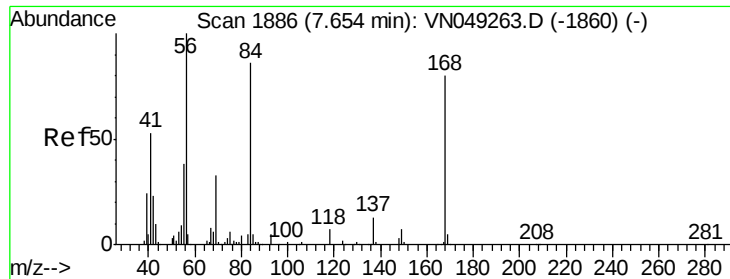
Tot Ion: 43 Resp: 8862
Ion Ratio Lower Upper
43 100
72 31.0 20.2 30.2#



#30
Chloroform
Concen: 0.57 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Tgt Ion: 83 Resp: 17547
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

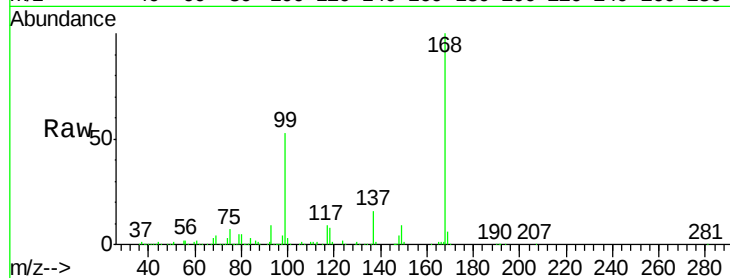




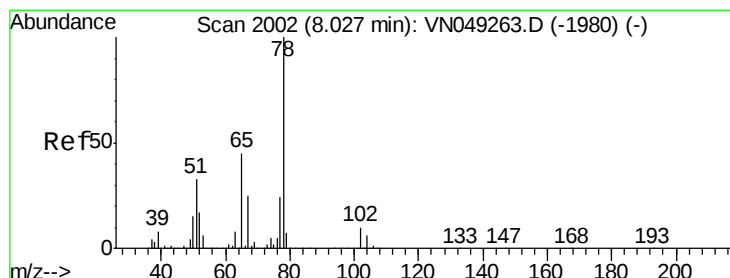
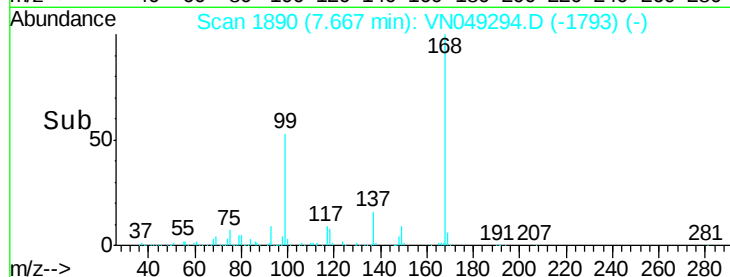
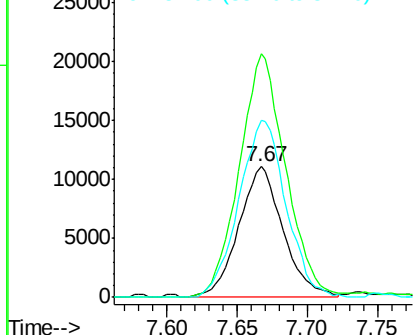
#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 24438
Ion Ratio Lower Upper
56 100
69 186.6 25.0 37.4#
84 135.4 64.6 96.8#

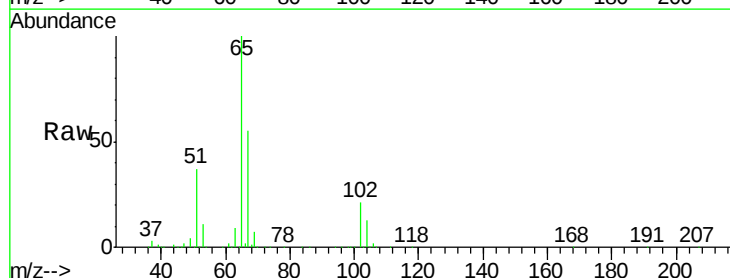


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

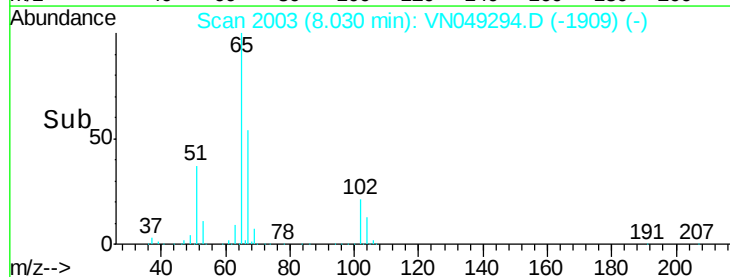
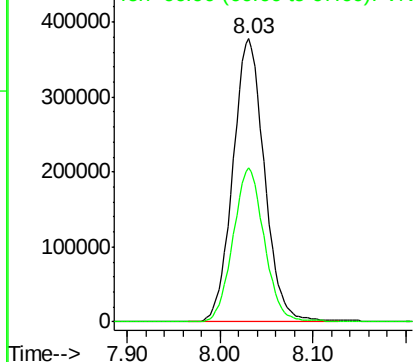


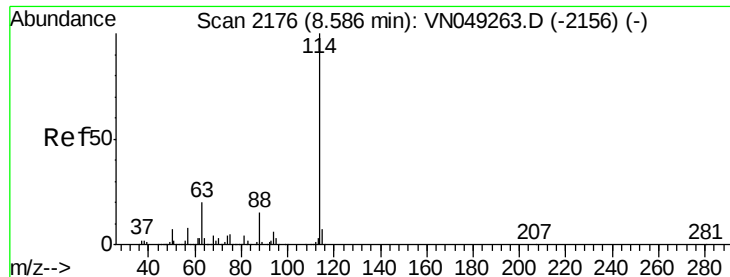
#33
1,2-Dichloroethane-d4
Concen: 50.47 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Tgt Ion: 65 Resp: 890250
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

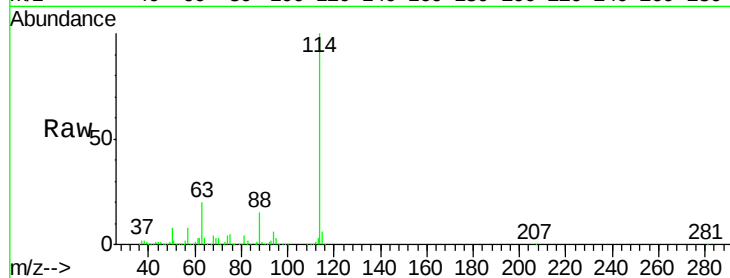




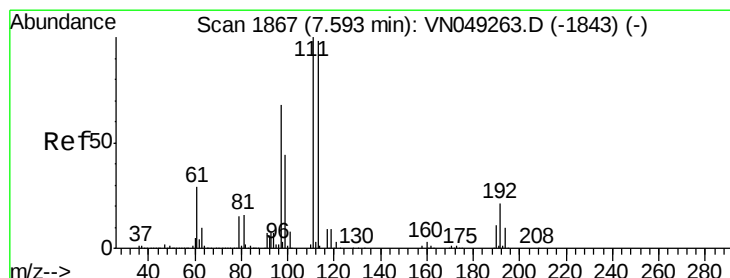
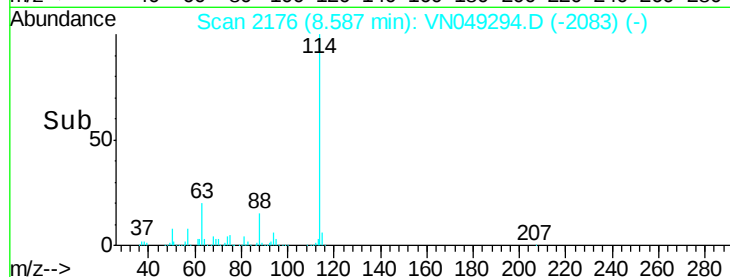
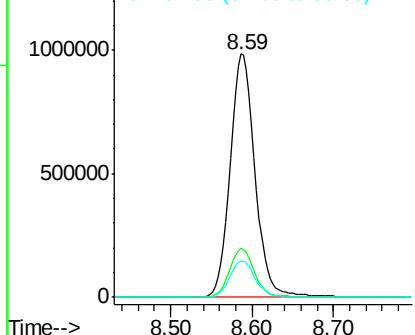
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049294.D
 Acq: 16 Jun 2018 7:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2113124
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.1 0.0 31.4

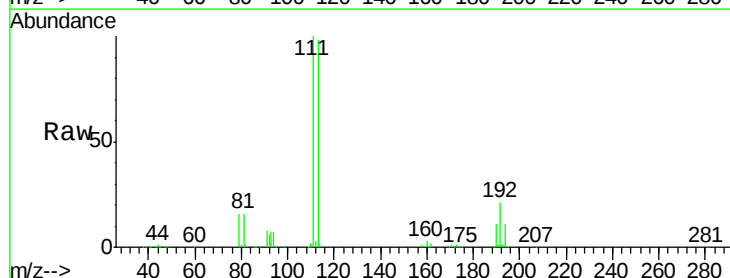


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

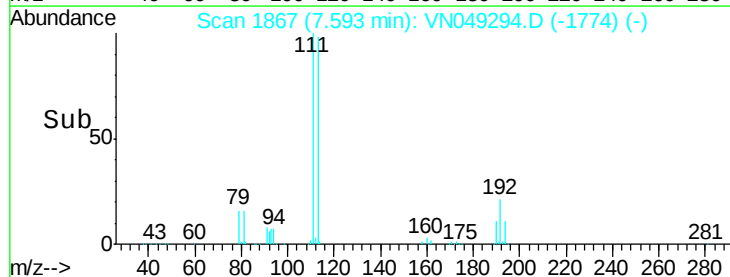
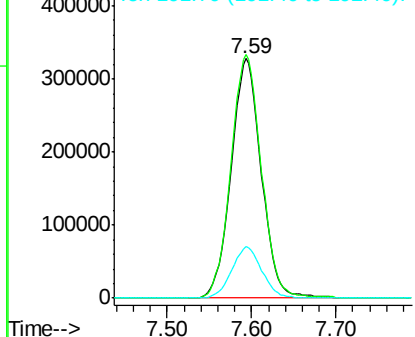


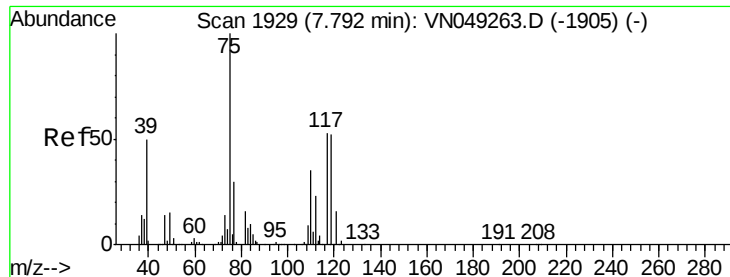
#35
 Dibromofluoromethane
 Concen: 47.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049294.D
 Acq: 16 Jun 2018 7:17

Tgt Ion:113 Resp: 814895
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 21.3 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: 3.93 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :
MSVOA_N
ClientSampled :

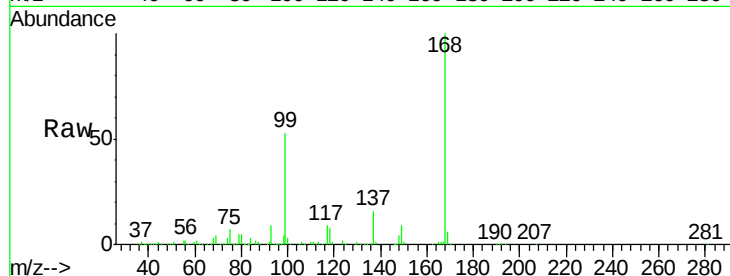
Tot Ion: 75 Resp: 95118

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

77 0.2 24.4 36.6#

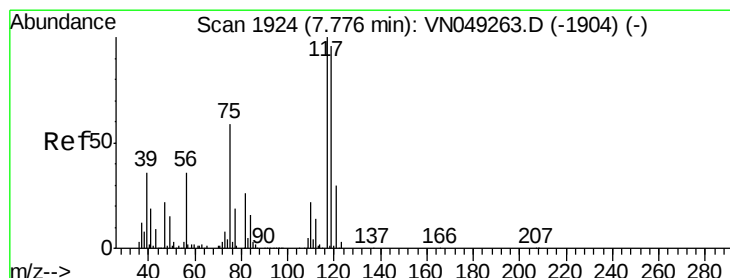
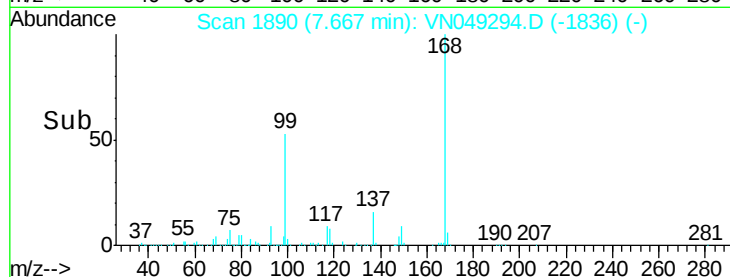
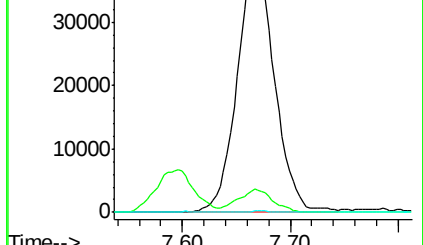


Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049263.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049263.D (-1905) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

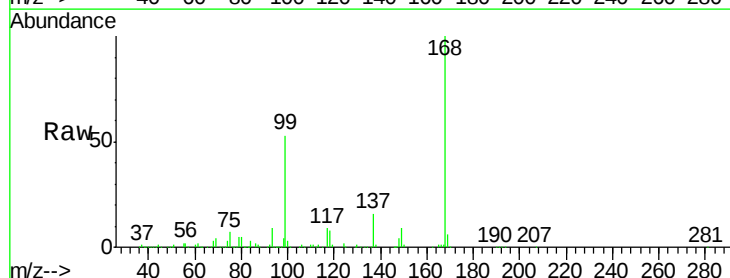
Tgt Ion: 117 Resp: 120455

Ion Ratio Lower Upper

117 100

119 6.6 75.6 113.4#

121 0.0 24.7 37.1#

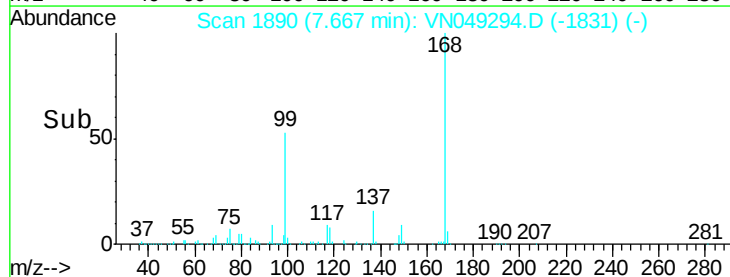
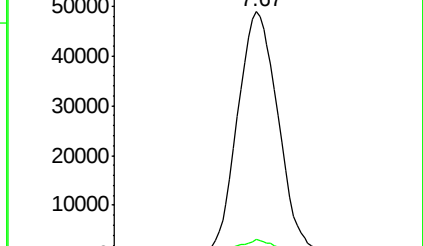


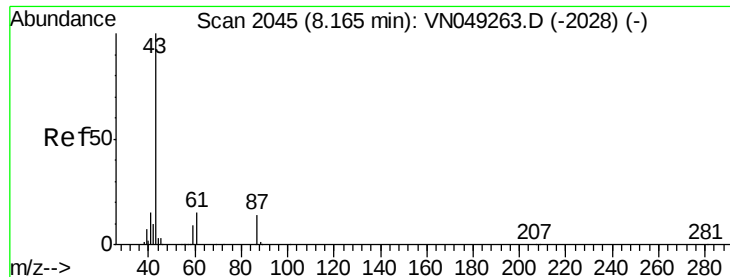
Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049263.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049263.D (-1904) (-)

Time-->





#43

Isopropyl Acetate

Concen: 14.57 ug/l

RT: 8.21 min Scan# 2059

Delta R.T. 0.05 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

ClientSampled :

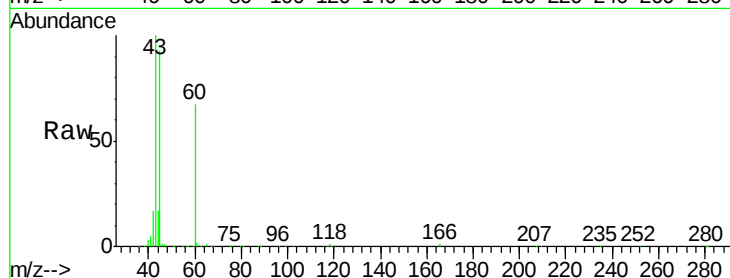
Tot Ion: 43 Resp: 366540

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

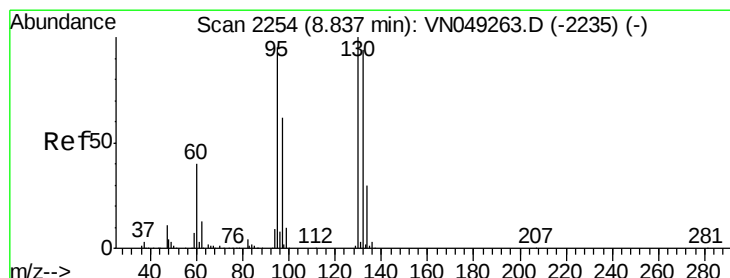
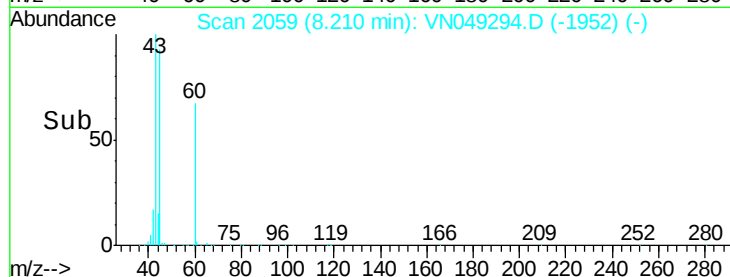
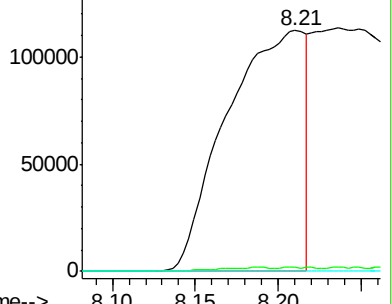
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049294.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049294.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049294.D (-1952) (-)



#44

Trichloroethene

Concen: 0.32 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049294.D

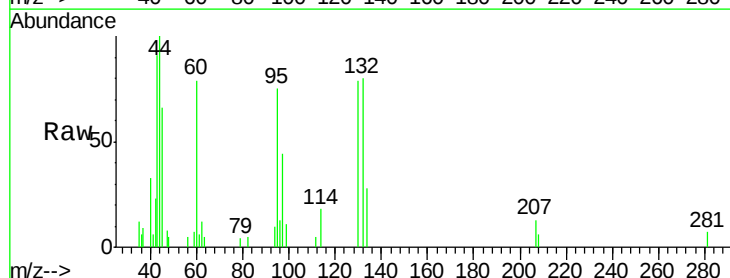
Acq: 16 Jun 2018 7:17

Tgt Ion: 130 Resp: 6255

Ion Ratio Lower Upper

130 100

95 94.7 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049294.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049294.D (-2161) (-)

Ion 129.80 (129.50 to 130.50): VN049294.D (-2161) (-)

Ion 130.00 (129.70 to 130.30): VN049294.D (-2161) (-)

Ion 131.00 (130.70 to 131.30): VN049294.D (-2161) (-)

Ion 132.00 (131.70 to 132.30): VN049294.D (-2161) (-)

Ion 133.00 (132.70 to 133.30): VN049294.D (-2161) (-)

Ion 134.00 (133.70 to 134.30): VN049294.D (-2161) (-)

Ion 135.00 (134.70 to 135.30): VN049294.D (-2161) (-)

Ion 136.00 (135.70 to 136.30): VN049294.D (-2161) (-)

Ion 137.00 (136.70 to 137.30): VN049294.D (-2161) (-)

Ion 138.00 (137.70 to 138.30): VN049294.D (-2161) (-)

Ion 139.00 (138.70 to 139.30): VN049294.D (-2161) (-)

Ion 140.00 (139.70 to 140.30): VN049294.D (-2161) (-)

Ion 141.00 (140.70 to 141.30): VN049294.D (-2161) (-)

Ion 142.00 (141.70 to 142.30): VN049294.D (-2161) (-)

Ion 143.00 (142.70 to 143.30): VN049294.D (-2161) (-)

Ion 144.00 (143.70 to 144.30): VN049294.D (-2161) (-)

Ion 145.00 (144.70 to 145.30): VN049294.D (-2161) (-)

Ion 146.00 (145.70 to 146.30): VN049294.D (-2161) (-)

Ion 147.00 (146.70 to 147.30): VN049294.D (-2161) (-)

Ion 148.00 (147.70 to 148.30): VN049294.D (-2161) (-)

Ion 149.00 (148.70 to 149.30): VN049294.D (-2161) (-)

Ion 150.00 (149.70 to 150.30): VN049294.D (-2161) (-)

Ion 151.00 (150.70 to 151.30): VN049294.D (-2161) (-)

Ion 152.00 (151.70 to 152.30): VN049294.D (-2161) (-)

Ion 153.00 (152.70 to 153.30): VN049294.D (-2161) (-)

Ion 154.00 (153.70 to 154.30): VN049294.D (-2161) (-)

Ion 155.00 (154.70 to 155.30): VN049294.D (-2161) (-)

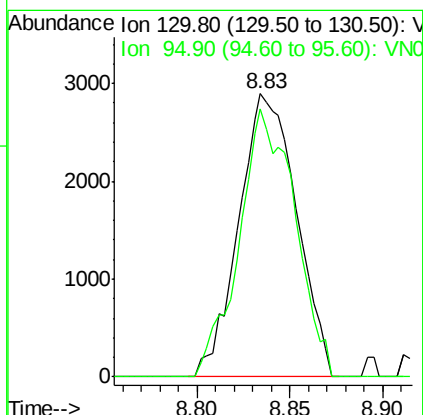
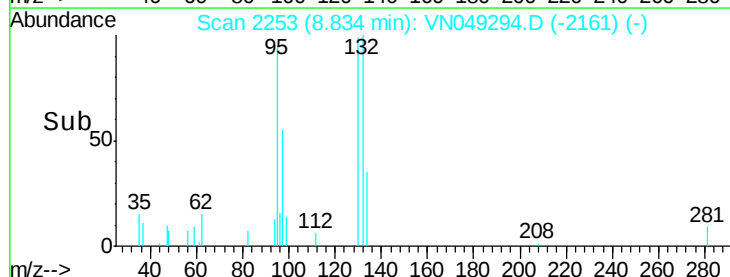
Ion 156.00 (155.70 to 156.30): VN049294.D (-2161) (-)

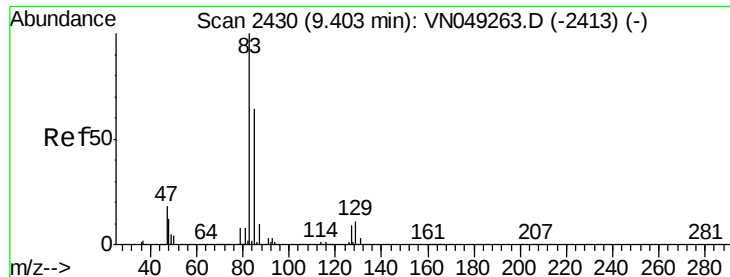
Ion 157.00 (156.70 to 157.30): VN049294.D (-2161) (-)

Ion 158.00 (157.70 to 158.30): VN049294.D (-2161) (-)

Ion 159.00 (158.70 to 159.30): VN049294.D (-2161) (-)

Ion 160.00 (159.70 to 160.30): VN049294.D (-2161) (-)





#47

Bromodichloromethane

Concen: 0.32 ug/l

RT: 9.40 min Scan# 2429

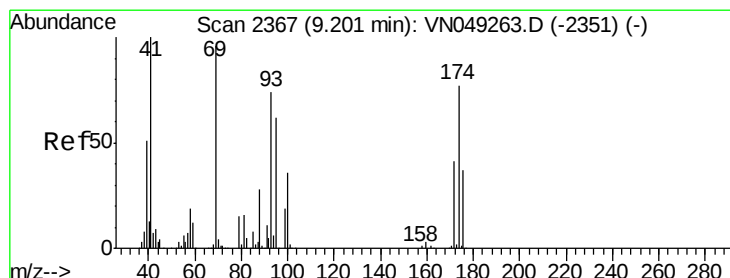
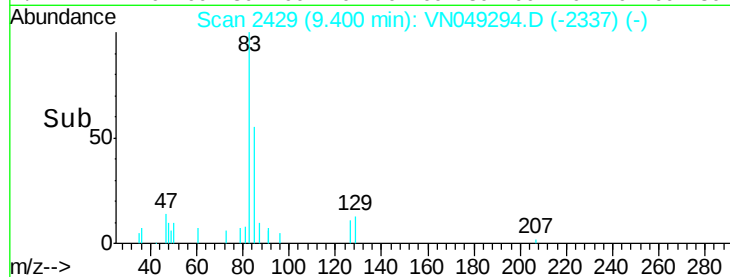
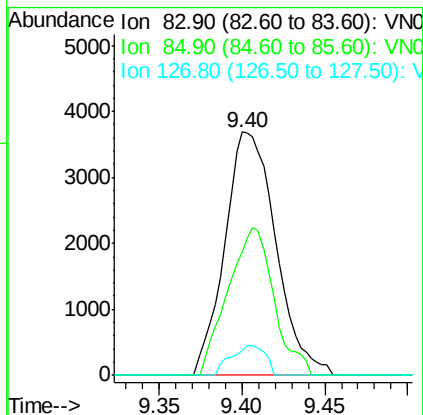
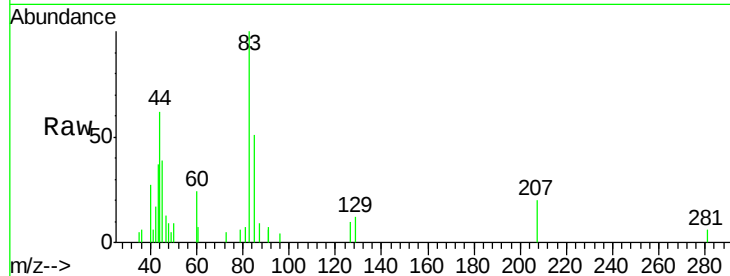
Delta R.T. -0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	83	Resp:	7902
Ion	Ratio	Lower	Upper
83	100		
85	50.6	49.4	74.0
127	10.4	6.3	9.5#



#49

1,4-Dioxane

Concen: 0.21 ug/l

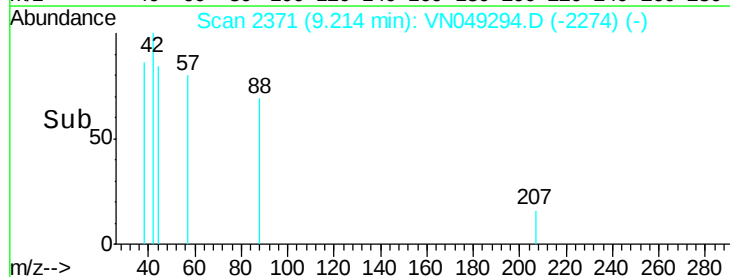
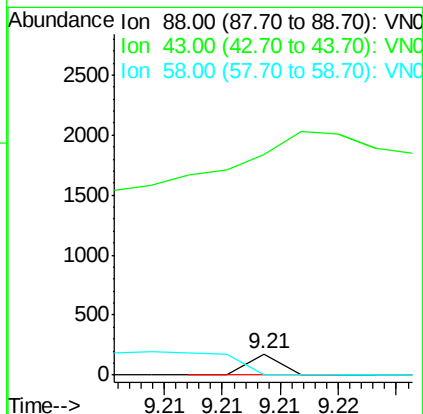
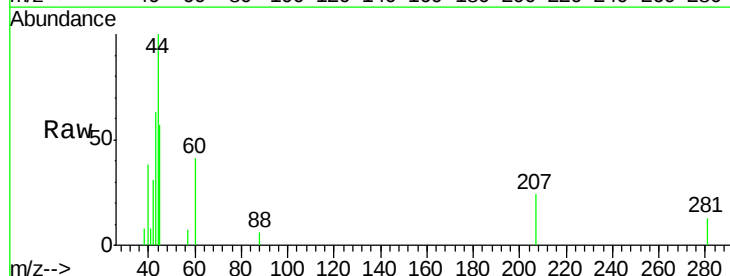
RT: 9.21 min Scan# 2371

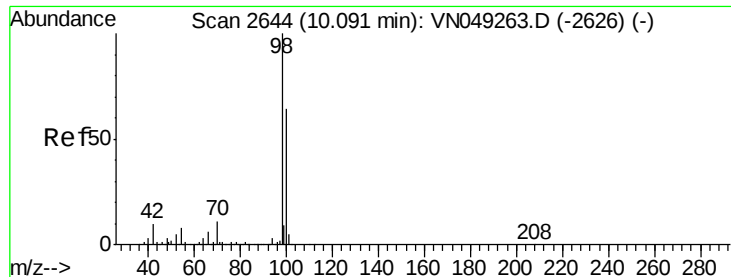
Delta R.T. 0.01 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Tgt Ion:	88	Resp:	34
Ion	Ratio	Lower	Upper
88	100		
43	4464.7	30.9	46.3#
58	420.6	58.9	88.3#





#50

Toluene-d8

Concen: 43.67 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

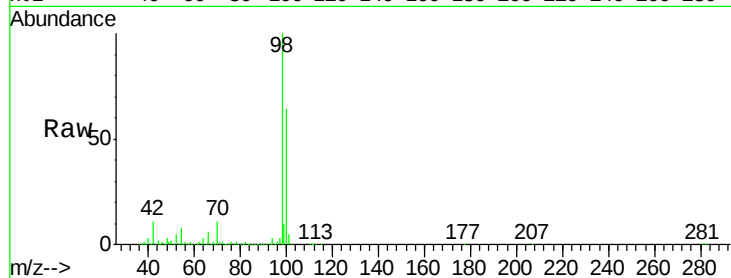
ClientSampled :

Tot Ion: 98 Resp: 2842812

Ion Ratio Lower Upper

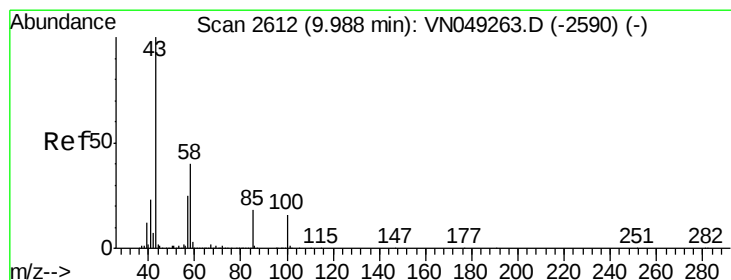
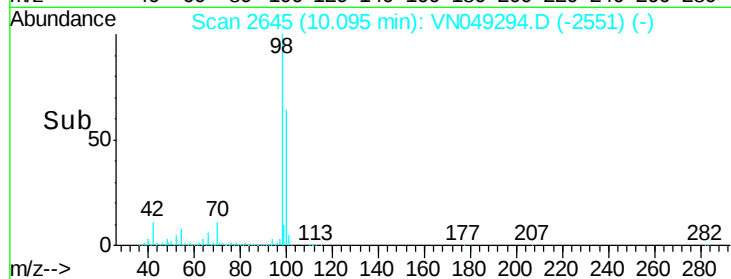
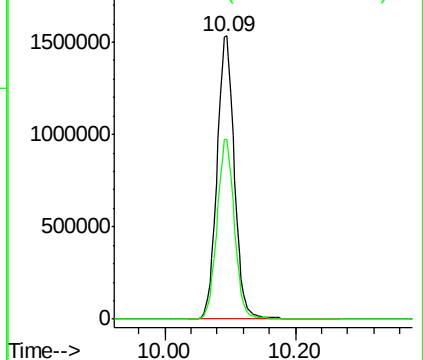
98 100

100 63.4 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.41 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049294.D

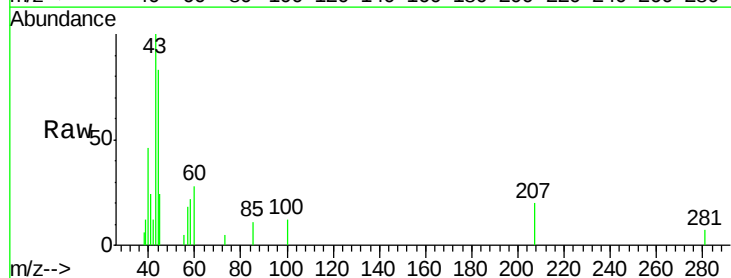
Acq: 16 Jun 2018 7:17

Tgt Ion: 43 Resp: 5346

Ion Ratio Lower Upper

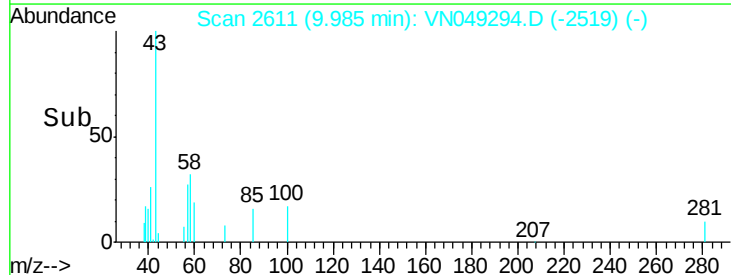
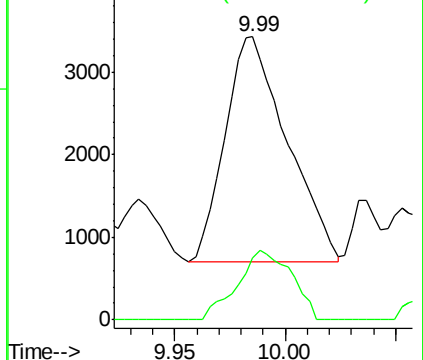
43 100

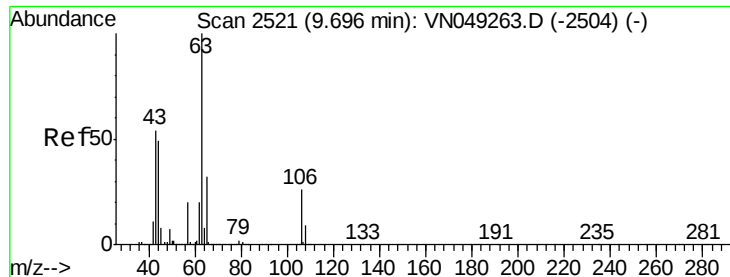
58 26.8 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

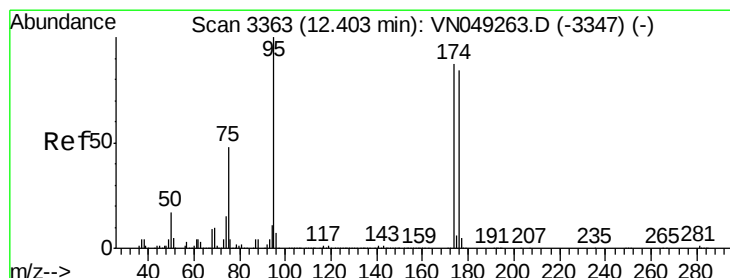
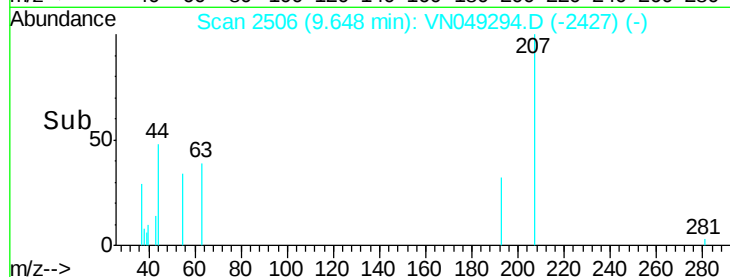
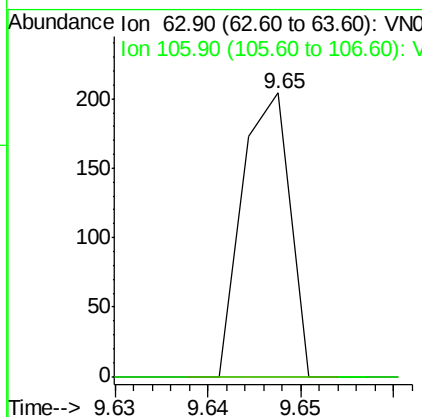
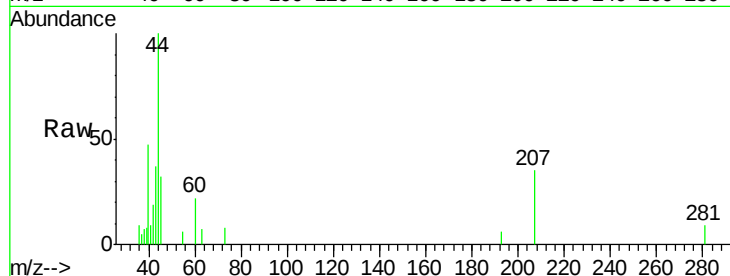




#58
2-Chloroethyl Vinyl ether
Concen: 14.34 ug/l
RT: 9.65 min Scan# 2506
Delta R.T. -0.05 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

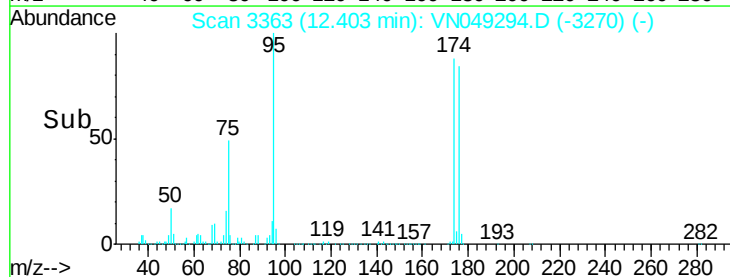
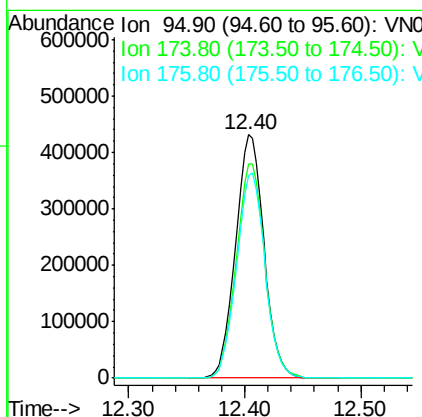
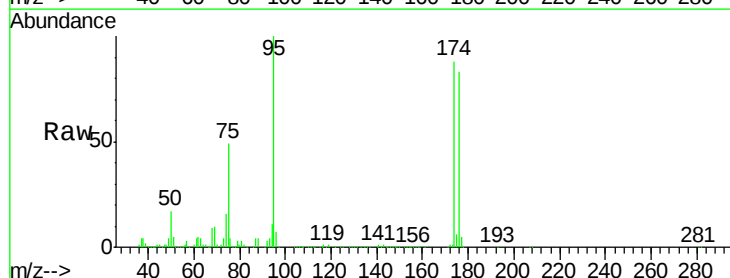
Instrument :
MSVOA_N
ClientSampleId :

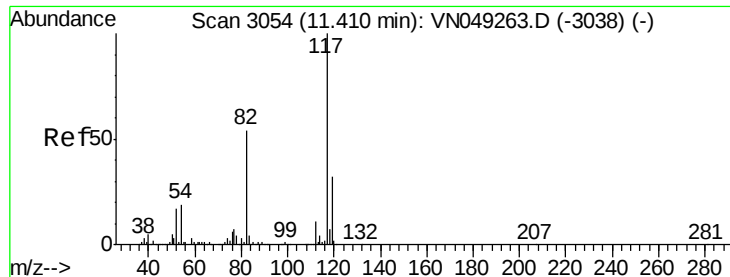
Tot Ion: 63 Resp: 73
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.2#



#62
4-Bromofluorobenzene
Concen: 33.89 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Tgt Ion: 95 Resp: 729376
Ion Ratio Lower Upper
95 100
174 88.9 0.0 165.6
176 84.7 0.0 157.4

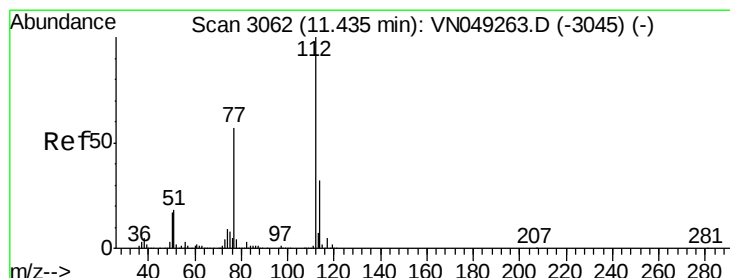
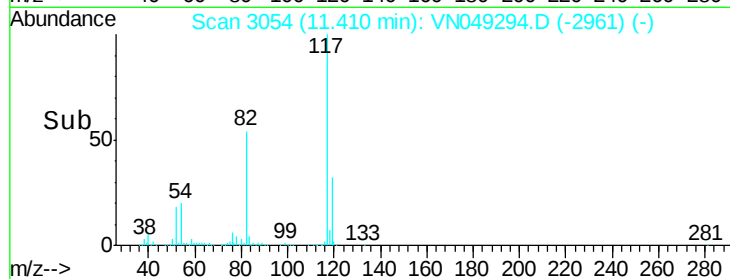
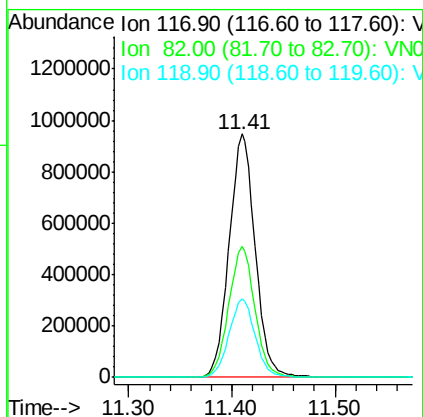
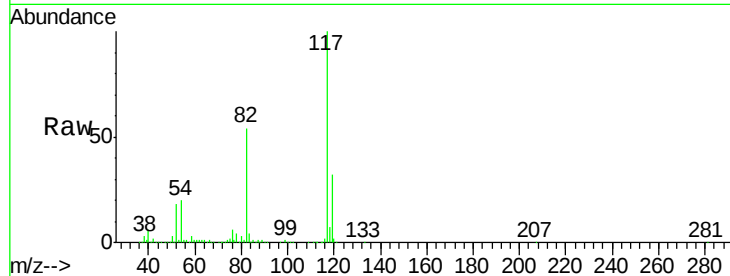




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

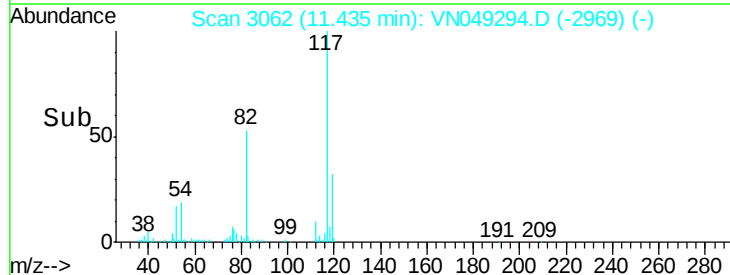
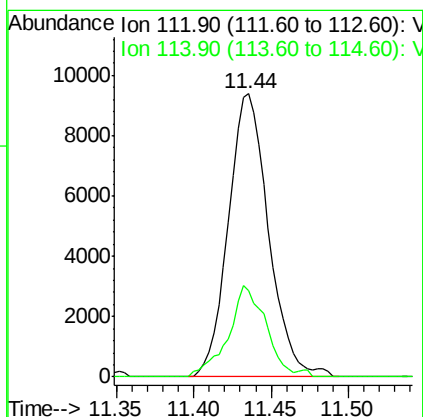
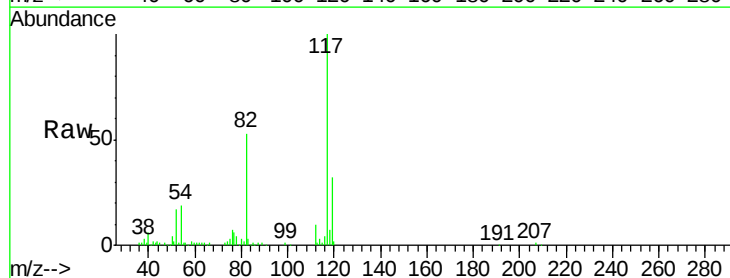
Instrument :
MSVOA_N
ClientSampleId :

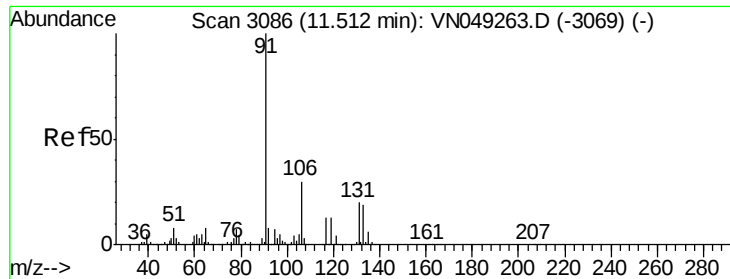
Tot Ion:117 Resp: 1666340
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.2 25.5 38.3



#65
Chlorobenzene
Concen: 0.39 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Tgt Ion:112 Resp: 16932
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.4





#67

Ethyl Benzene

Concen: 0.24 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

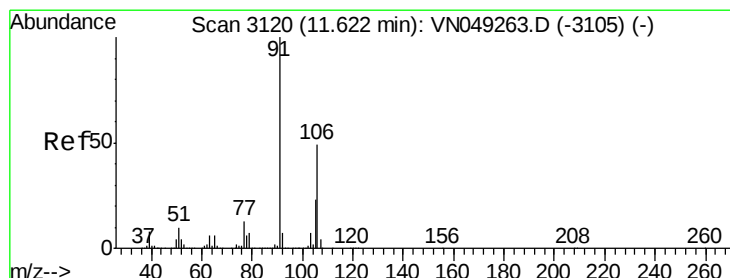
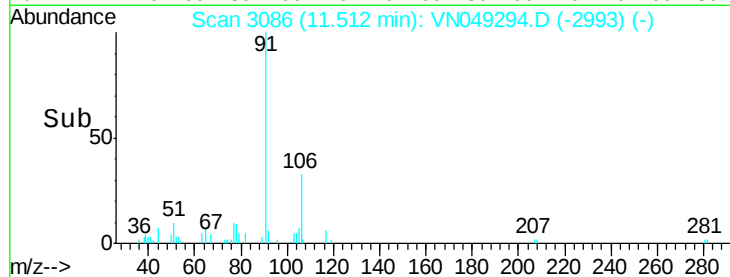
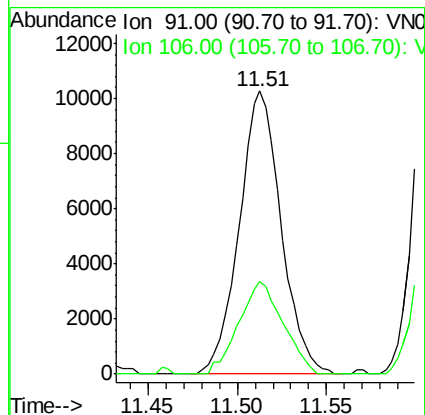
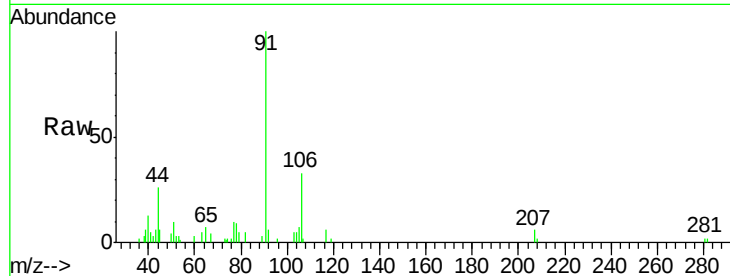
ClientSampled :

Tot Ion: 91 Resp: 16760

Ion Ratio Lower Upper

91 100

106 32.9 23.9 35.9



#68

m/p-Xylenes

Concen: 0.94 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049294.D

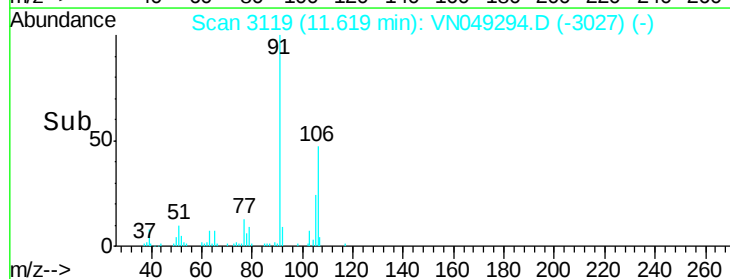
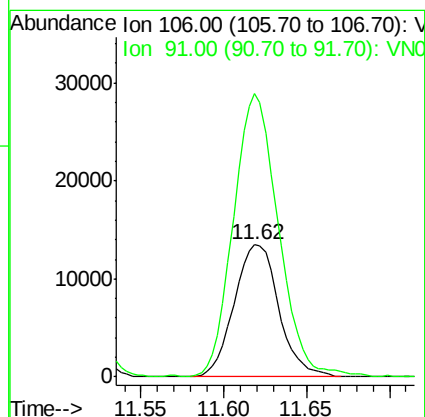
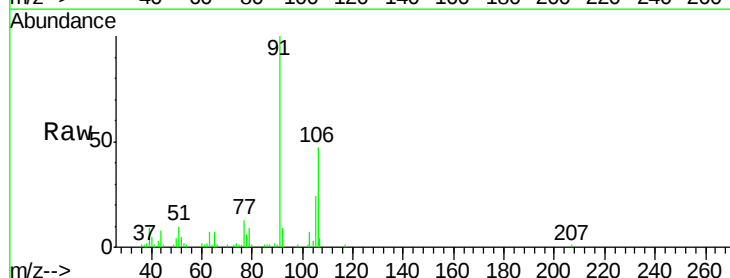
Acq: 16 Jun 2018 7:17

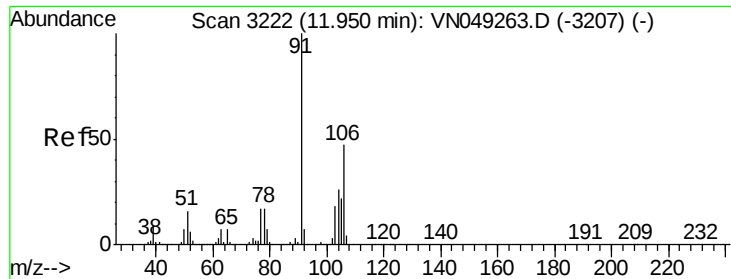
Tgt Ion: 106 Resp: 25215

Ion Ratio Lower Upper

106 100

91 216.1 167.3 250.9

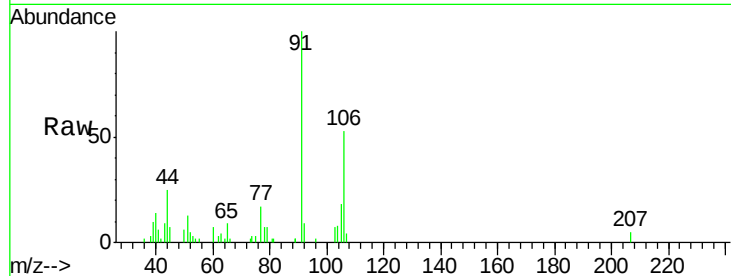




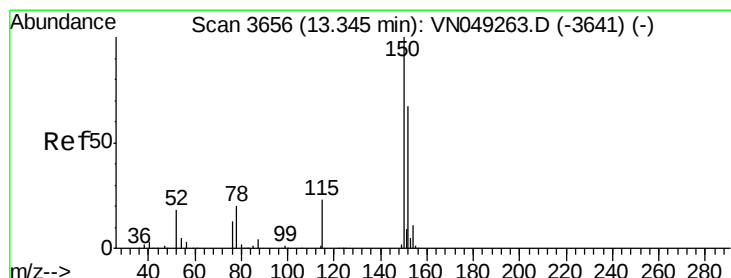
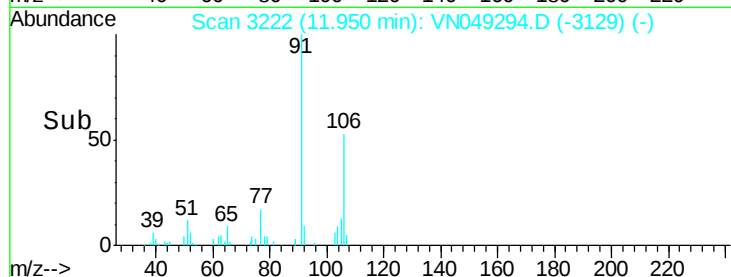
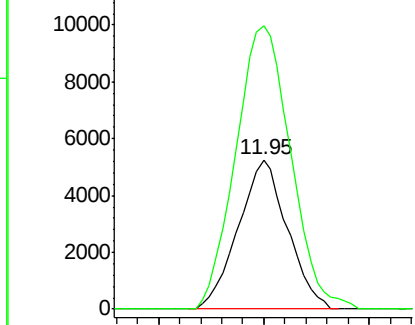
#69
o-Xylene
Concen: 0.33 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 8503
Ion Ratio Lower Upper
106 100
91 211.8 111.0 333.0

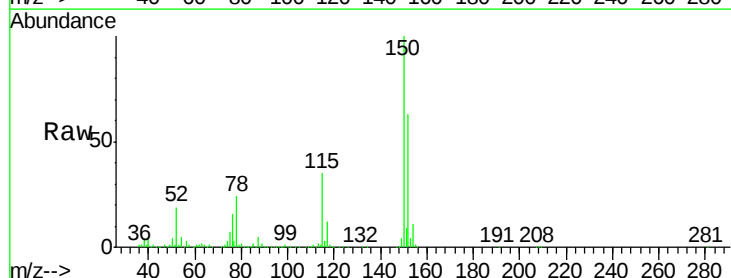


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

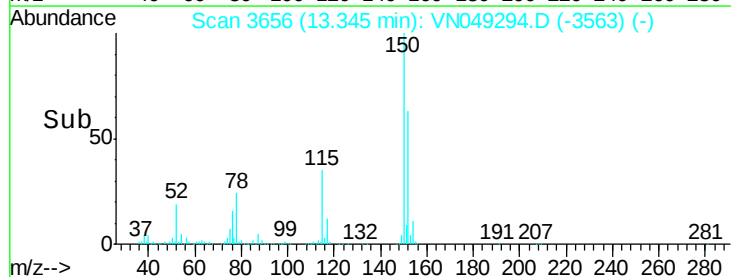
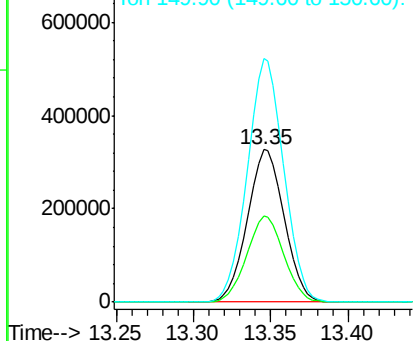


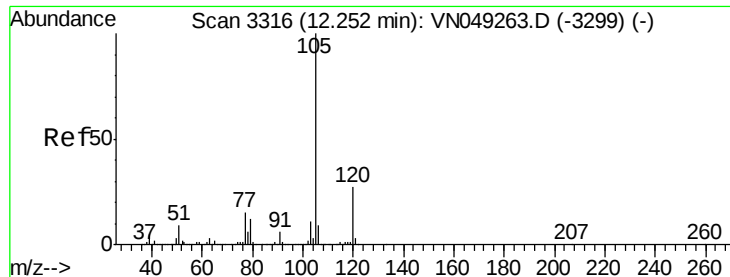
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049294.D
Acq: 16 Jun 2018 7:17

Tgt Ion:152 Resp: 540934
Ion Ratio Lower Upper
152 100
115 56.9 28.7 86.1
150 158.7 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





#73

Isopropylbenzene

Concen: 0.43 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

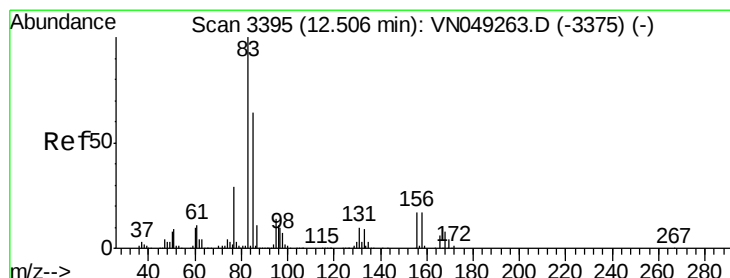
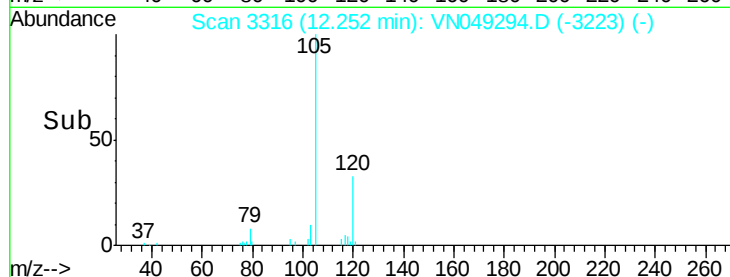
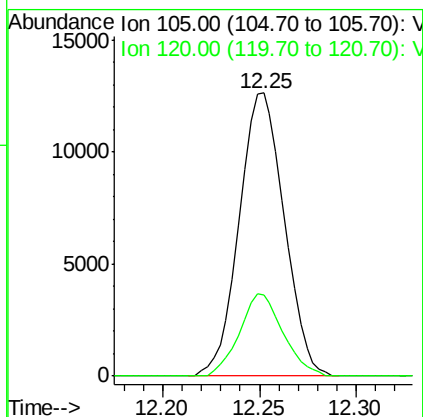
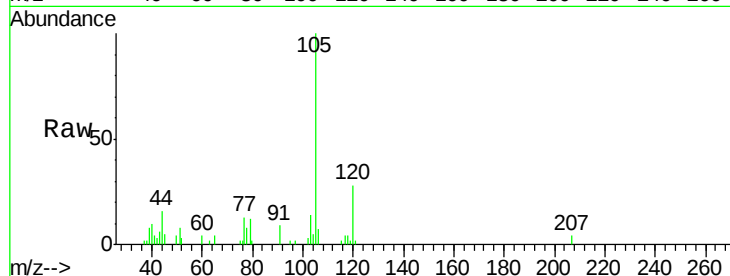
ClientSampled :

Tot Ion:105 Resp: 20459

Ion Ratio Lower Upper

105 100

120 28.1 12.8 38.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

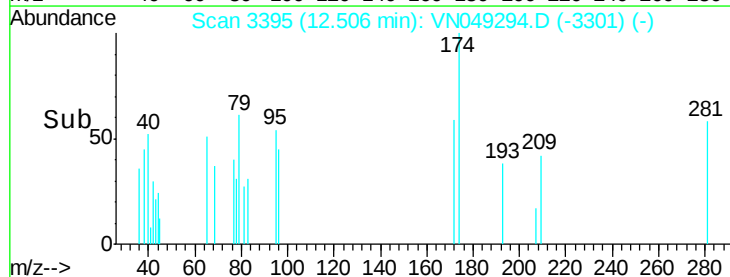
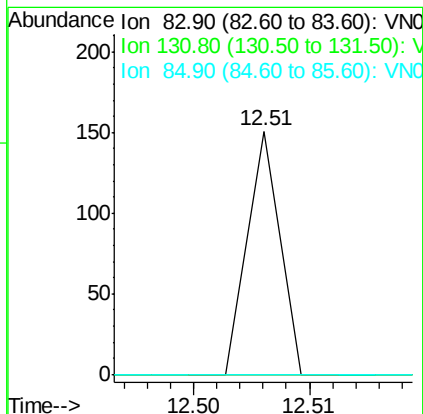
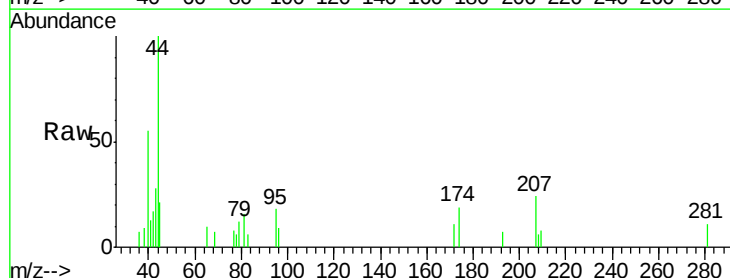
Tgt Ion: 83 Resp: 29

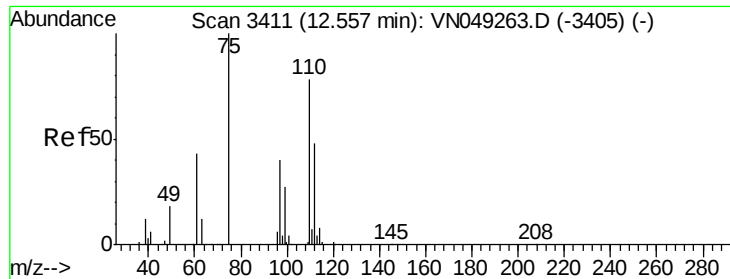
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 38.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

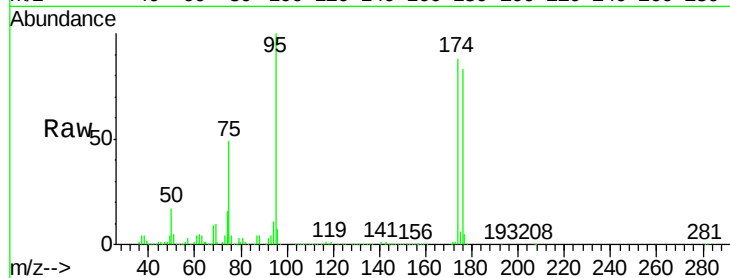
ClientSampleId :

Tot Ion: 75 Resp: 354556

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

100000

50000

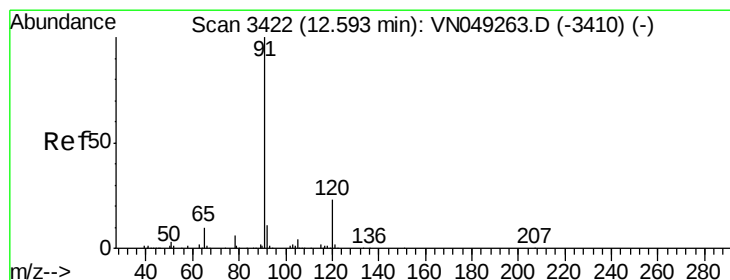
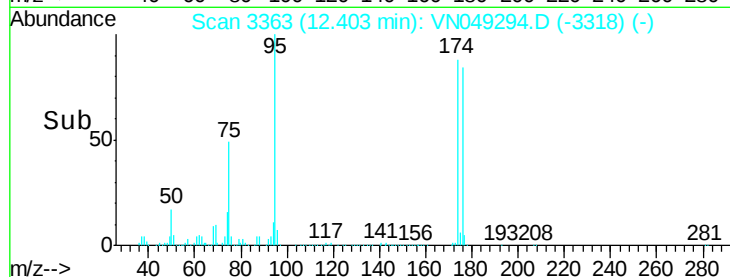
0

12.40

12.30

12.50

Time-->



#78

n-propylbenzene

Concen: 0.93 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049294.D

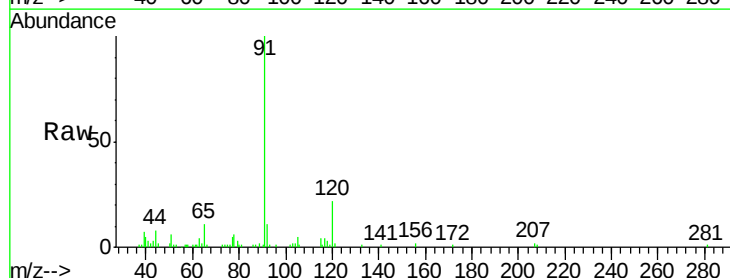
Acq: 16 Jun 2018 7:17

Tgt Ion: 91 Resp: 48722

Ion Ratio Lower Upper

91 100

120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

30000

20000

10000

0

12.59

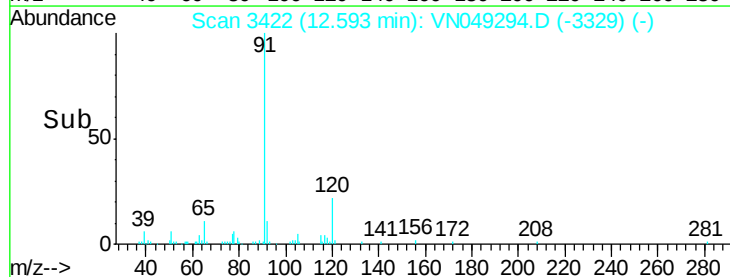
12.50

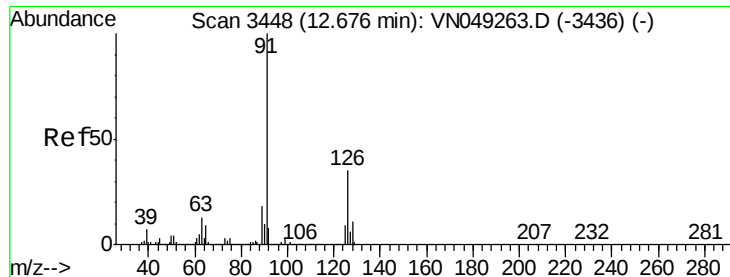
12.55

12.60

12.65

Time-->





#79

2-Chlorotoluene

Concen: 1.47 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

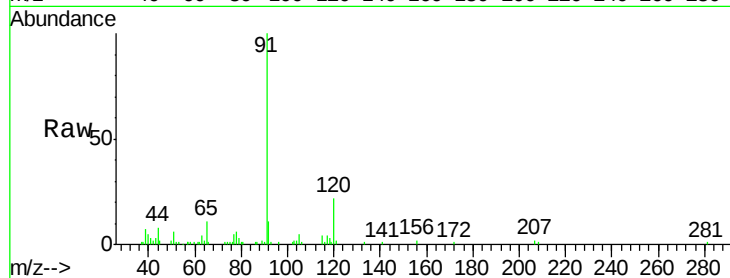
ClientSampleId :

Tot Ion: 91 Resp: 48722

Ion Ratio Lower Upper

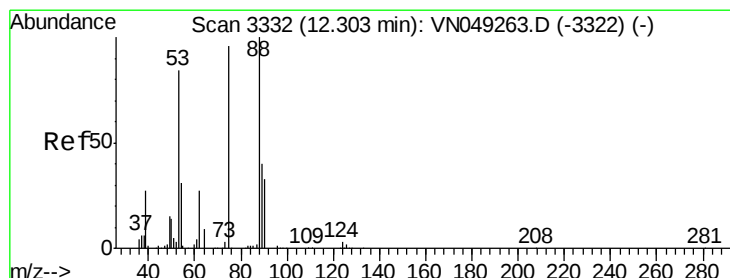
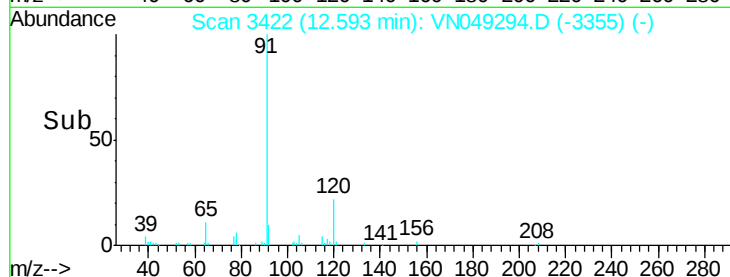
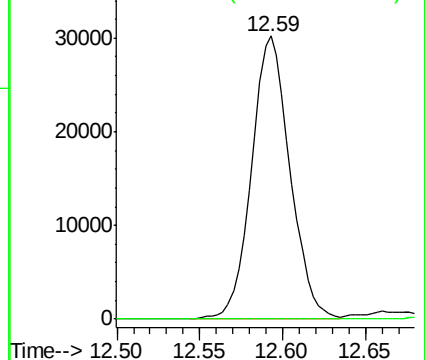
91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 121.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

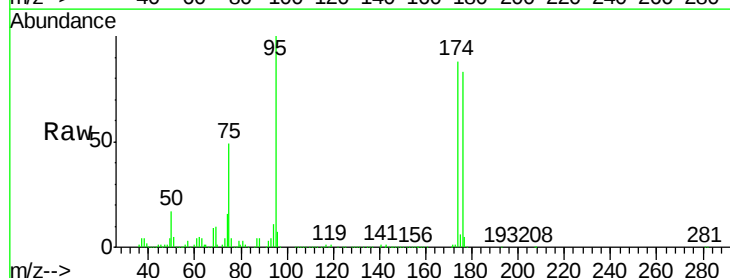
Tgt Ion: 75 Resp: 354556

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

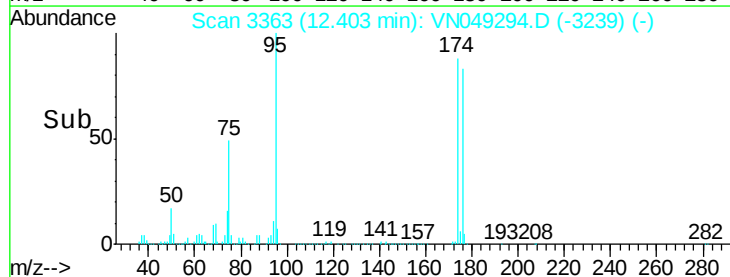
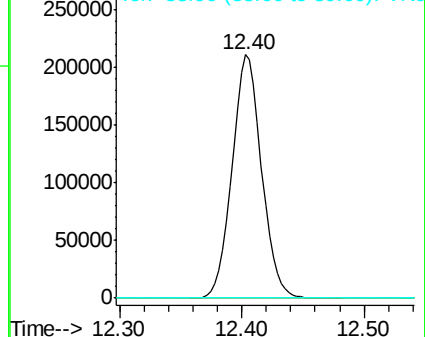
89 0.0 36.5 54.7#

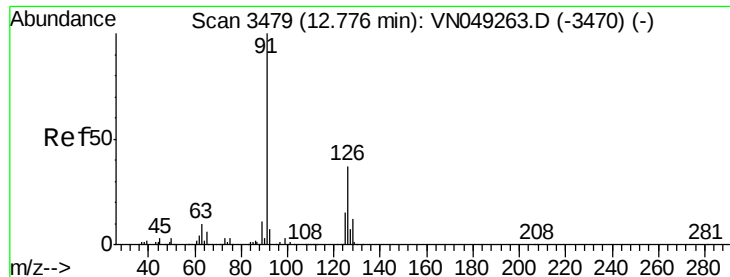


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#82

4-Chlorotoluene

Concen: 1.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

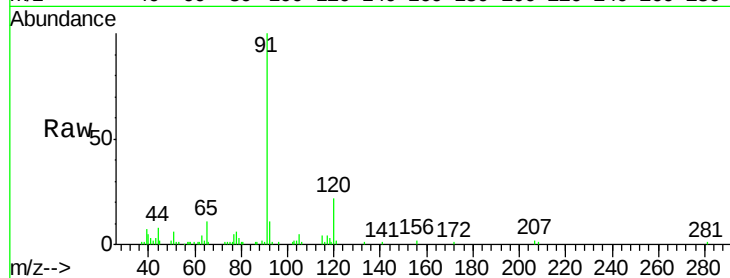
ClientSampleId :

Tot Ion: 91 Resp: 48722

Ion Ratio Lower Upper

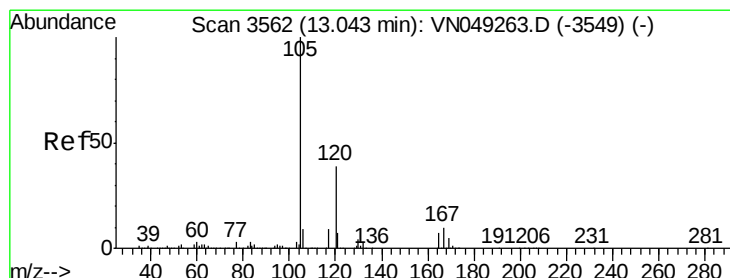
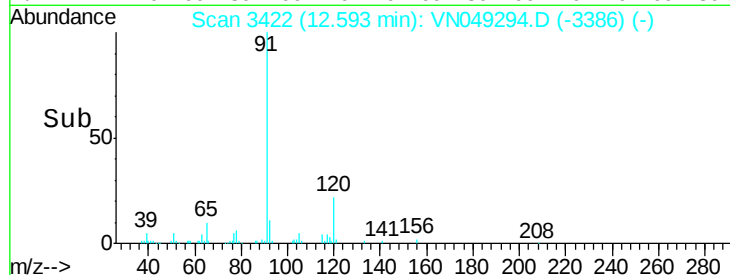
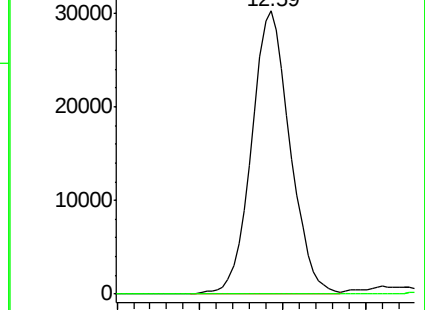
91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3470) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.30 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049294.D

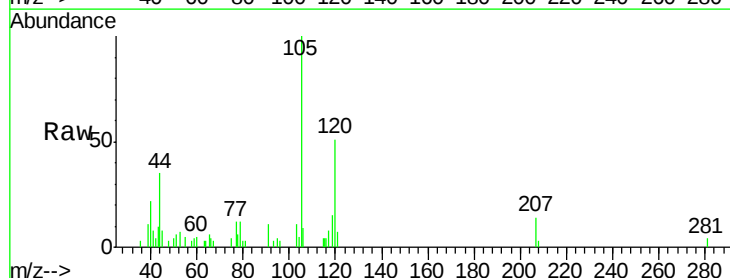
Acq: 16 Jun 2018 7:17

Tgt Ion: 105 Resp: 10990

Ion Ratio Lower Upper

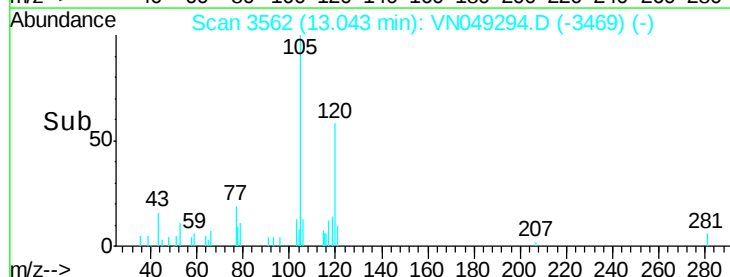
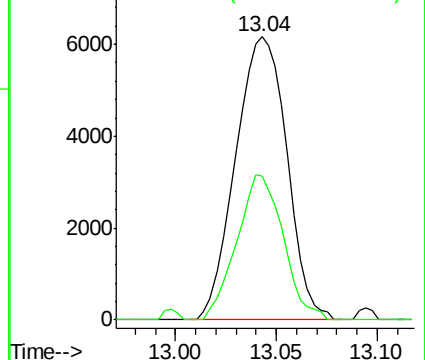
105 100

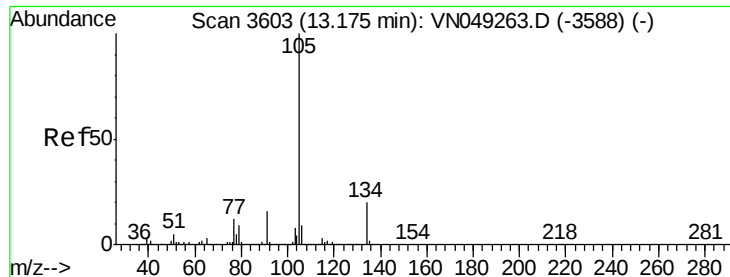
120 46.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3549) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3549) (-)





#85

sec-Butylbenzene

Concen: 0.59 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

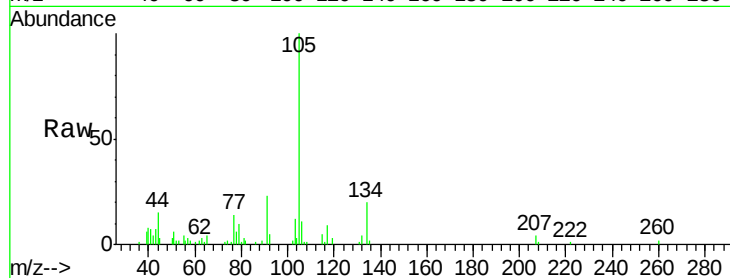
ClientSampled :

Tot Ion:105 Resp: 25752

Ion Ratio Lower Upper

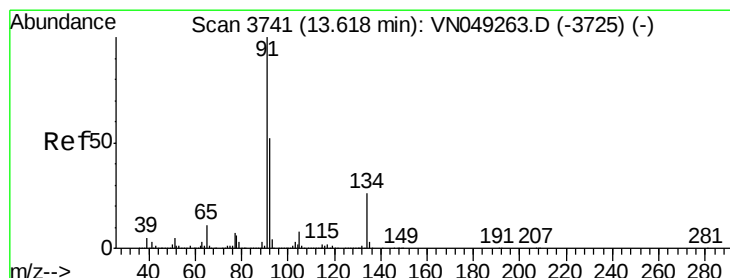
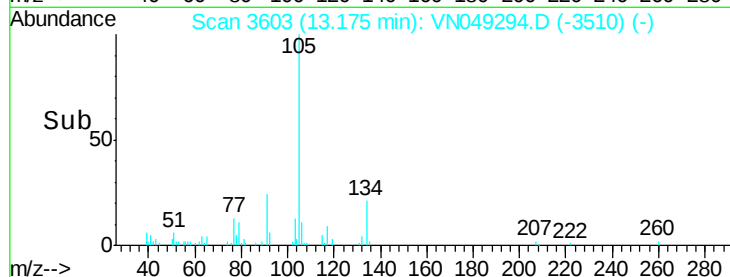
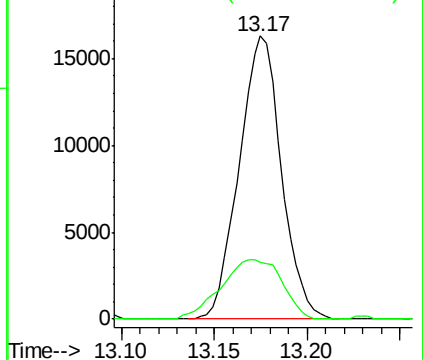
105 100

134 30.2 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.34 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.01 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

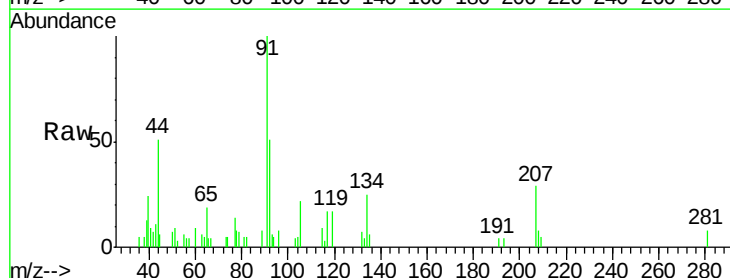
Tgt Ion: 91 Resp: 9803

Ion Ratio Lower Upper

91 100

92 40.9 25.1 75.4

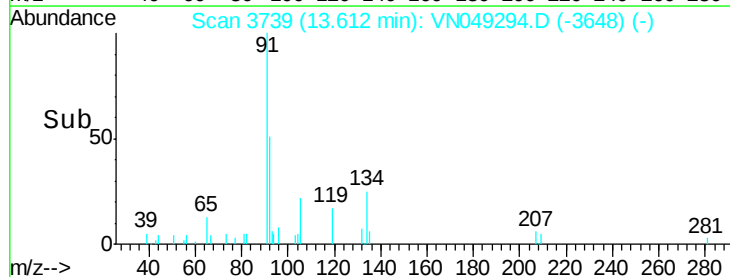
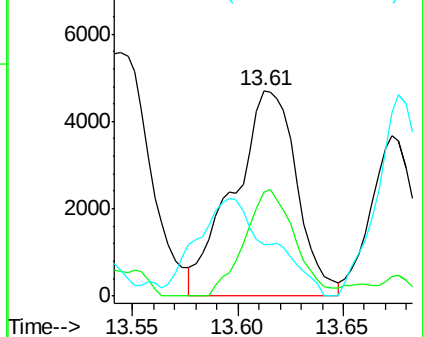
134 55.2 12.0 36.0#

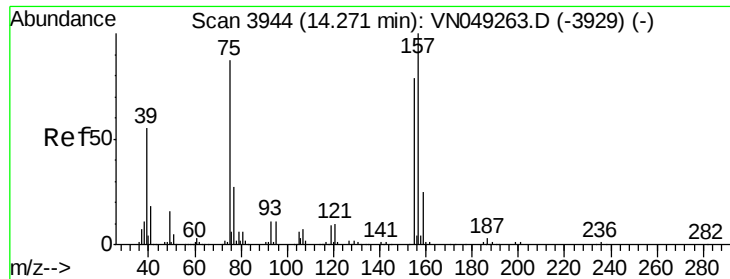


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.30 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

Instrument :

MSVOA_N

ClientSampled :

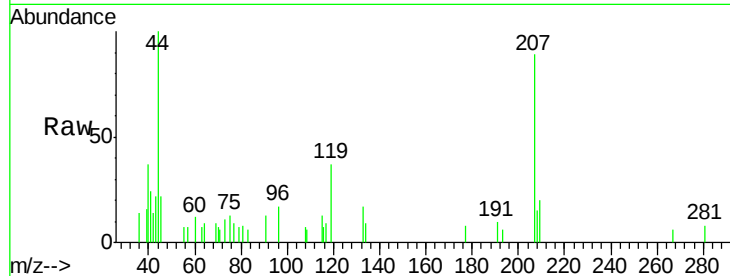
Tot Ion: 75 Resp: 499

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3929) (-)

Ion 154.80 (154.50 to 155.50): VN049263.D (-3929) (-)

Ion 156.80 (156.50 to 157.50): VN049263.D (-3929) (-)

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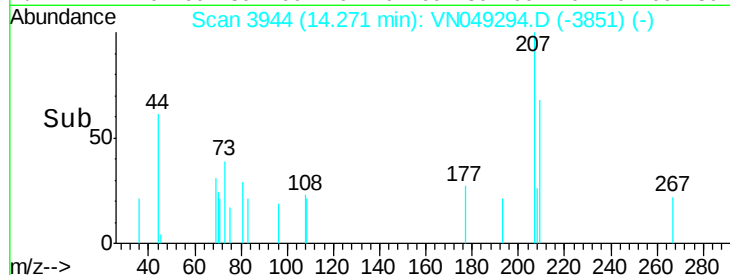
14.27

14.27

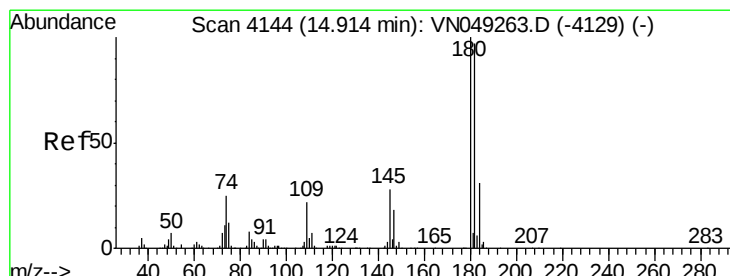
14.27

14.27

14.27



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.83 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049294.D

Acq: 16 Jun 2018 7:17

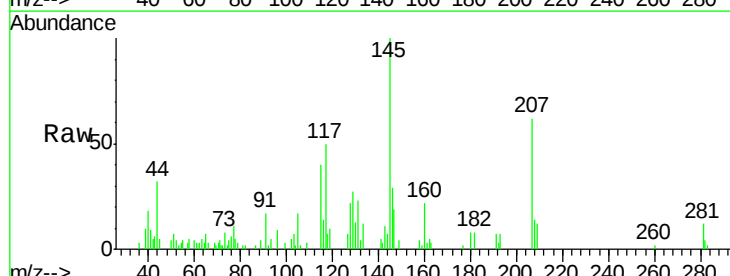
Tgt Ion:180 Resp: 867

Ion Ratio Lower Upper

180 100

182 84.7 46.9 140.8

145 2303.9 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN049263.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN049263.D (-4129) (-)

14.91

14.91

14.91

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14.91

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14.91

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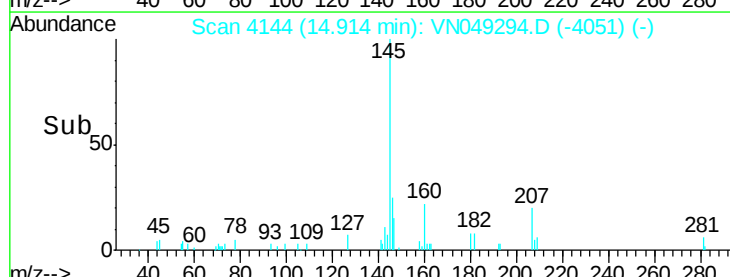
14.91

14.91

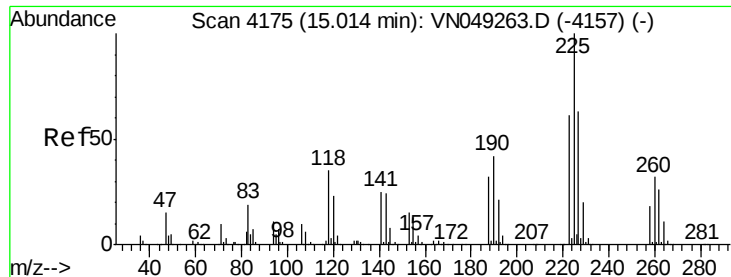
14.91

14.91

14.91



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN049294.D

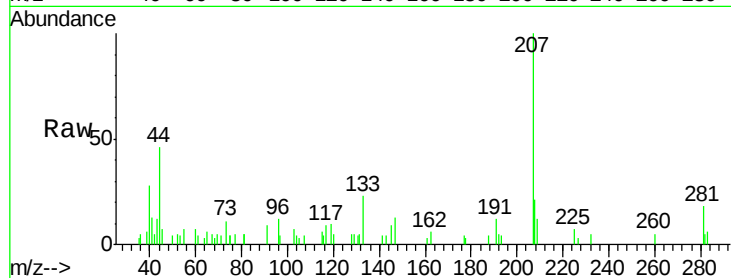
Acq: 16 Jun 2018 7:17

Instrument :

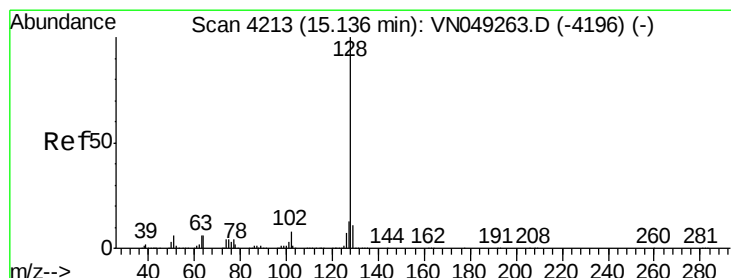
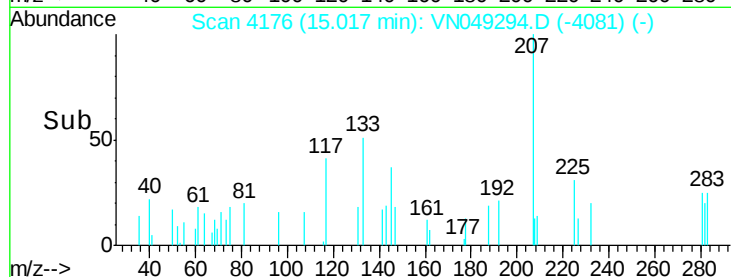
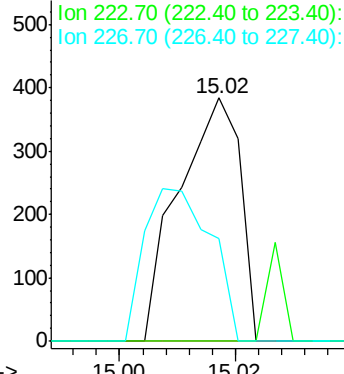
MSVOA_N

ClientSampled :

Tot Ion:	225	Resp:	282
Ion	Ratio	Lower	Upper
225	100		
223	10.6	32.1	96.3#
227	67.7	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: 6.29 ug/l

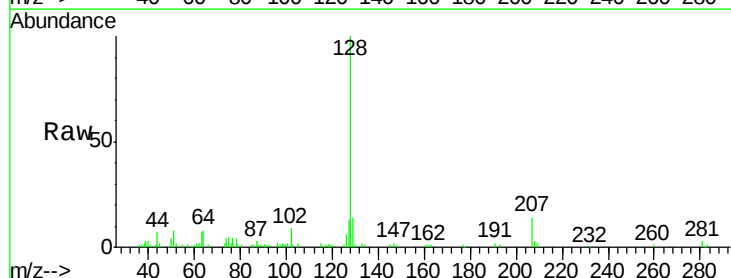
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

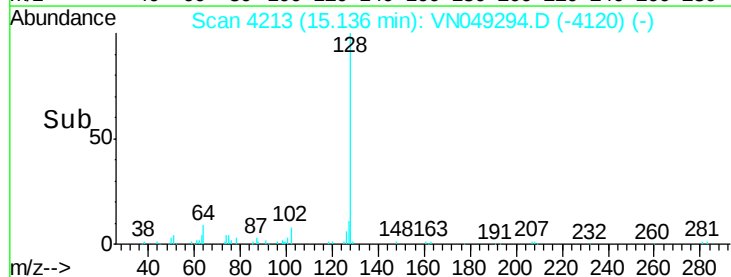
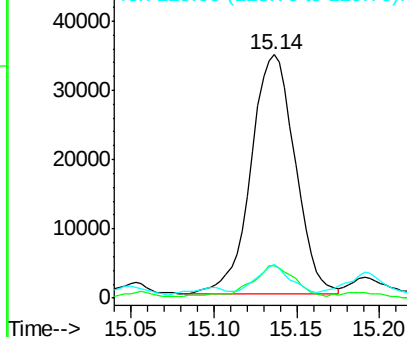
Lab File: VN049294.D

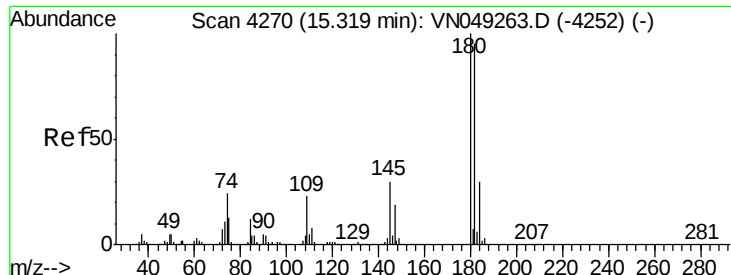
Acq: 16 Jun 2018 7:17

Tgt Ion:	128	Resp:	63822
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	8.6	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

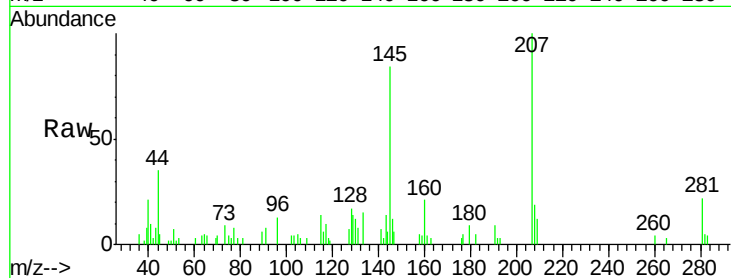




#96
 1,2,3-Trichlorobenzene
 Concen: 3.50 ug/l
 RT: 15.33 min Scan# 4272
 Delta R.T. 0.01 min
 Lab File: VN049294.D
 Acq: 16 Jun 2018 7:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	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

