

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049293.D
 Acq On : 16 Jun 2018 6:52
 Operator : MD\SY
 Sample : J3504-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:12:44 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	1265856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2053386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1595693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	436411	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	838884	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	740946	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	
50) Toluene-d8	10.09	98	2776919	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
62) 4-Bromofluorobenzene	12.40	95	636160	30.42	ug/l	0.00
Spiked Amount			Recovery	=	60.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4383	0.23	ug/l	98
5) Bromomethane	2.58	94	4686	0.45	ug/l #	60
13) Acrolein	3.62	56	331	0.32	ug/l #	43
16) Acetone	3.82	43	44511	10.92	ug/l	92
17) Carbon Disulfide	4.05	76	57980	1.27	ug/l	98
18) Methyl Acetate	4.33	43	111145	8.94	ug/l	95
20) Methylene Chloride	4.55	84	215370	12.65	ug/l	92
25) 2-Butanone	6.85	43	10452	1.91	ug/l #	81
29) Tetrahydrofuran	7.21	42	1069	0.30	ug/l #	36
31) Cyclohexane	7.67	56	22857	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	94783	4.03	ug/l #	50
38) Carbon Tetrachloride	7.67	117	115673	4.75	ug/l #	17
43) Isopropyl Acetate	8.21	43	385913	15.79	ug/l #	64
49) 1,4-Dioxane	9.22	88	140	0.88	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4476	0.35	ug/l	93
65) Chlorobenzene	11.43	112	17849	0.43	ug/l	99
67) Ethyl Benzene	11.51	91	43890	0.64	ug/l	92
68) m/p-Xylenes	11.62	106	44691	1.75	ug/l	100
69) o-Xylene	11.95	106	13975	0.57	ug/l	92
71) Bromoform	12.40	173	4714	0.47	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	474	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	298331	40.06	ug/l #	100
78) n-propylbenzene	12.59	91	27874	0.66	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	47095	1.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	298331	126.63	ug/l #	8
83) tert-Butylbenzene	13.04	119	18168	0.68	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	134565	4.50	ug/l	98
90) Hexachloroethane	13.90	117	3349	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	362	0.27	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	606	4.82	ug/l #	60
94) Hexachlorobutadiene	15.01	225	113	Below	Cal #	1
95) Naphthalene	15.14	128	23539	4.02	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	278	3.49	ug/l #	1

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

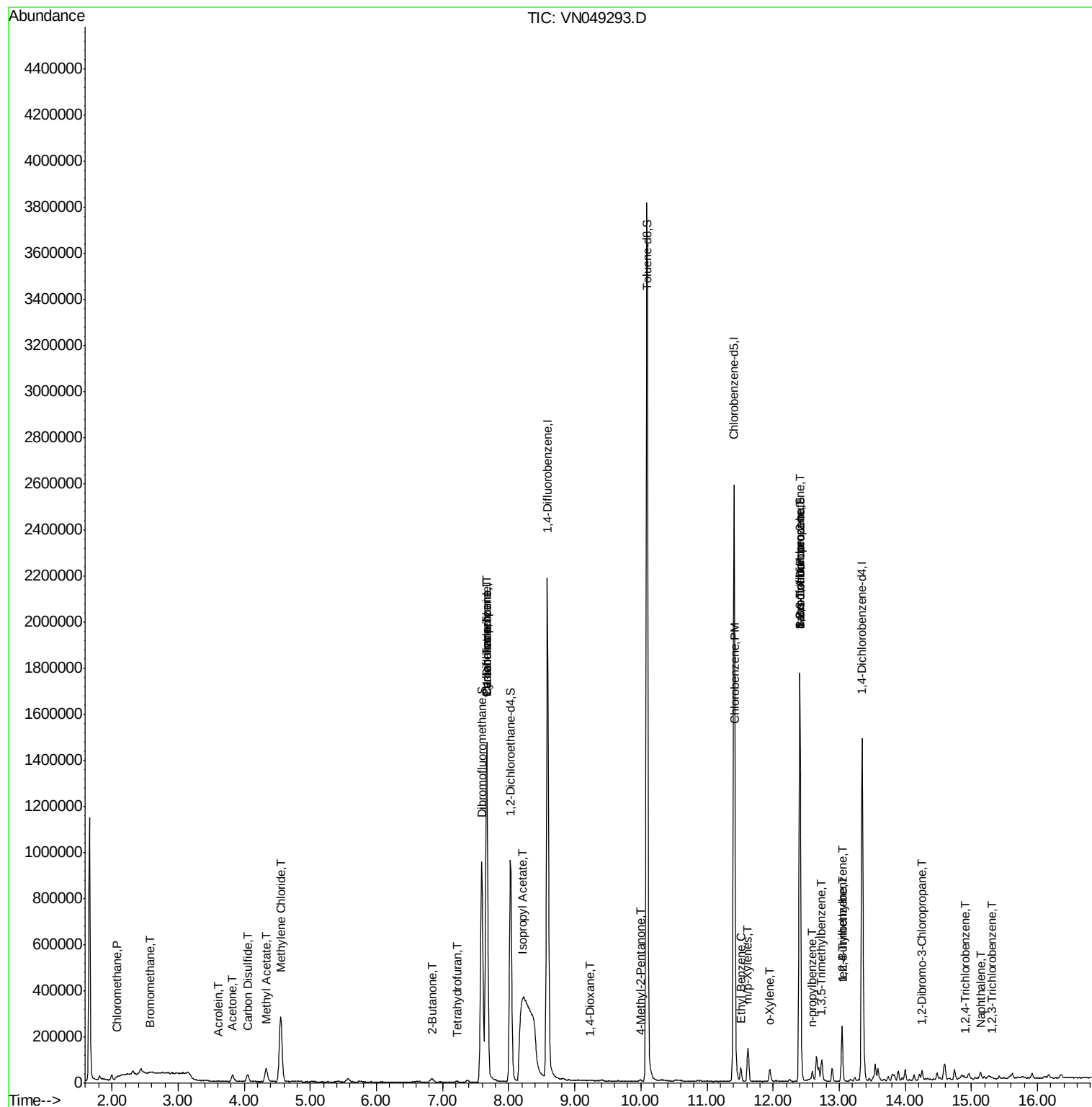
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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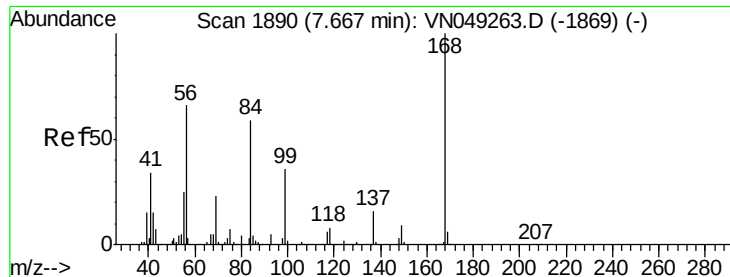
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049293.D
Acq On : 16 Jun 2018 6:52
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

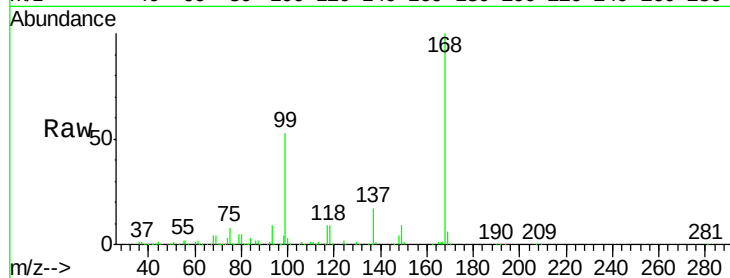
ClientSampled :

Tot Ion:168 Resp: 1265856

Ion Ratio Lower Upper

168 100

99 52.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

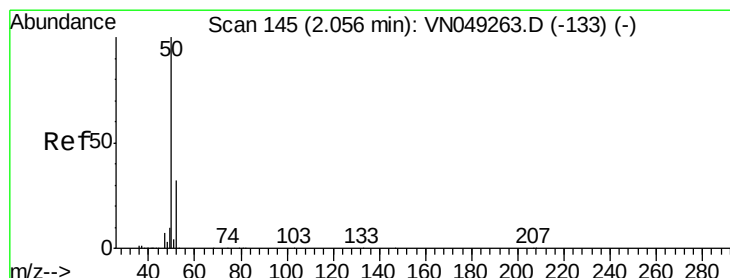
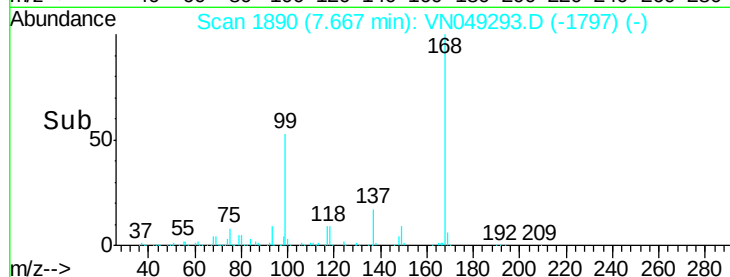
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049293.D

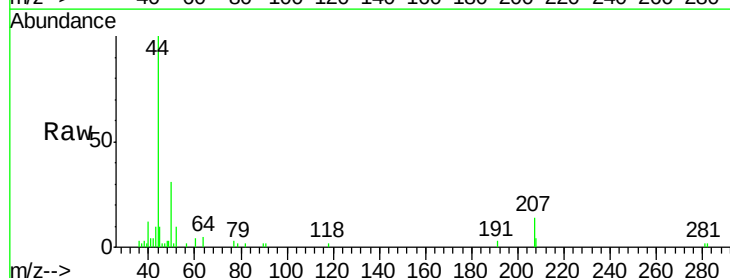
Acq: 16 Jun 2018 6:52

Tgt Ion: 50 Resp: 4383

Ion Ratio Lower Upper

50 100

52 32.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

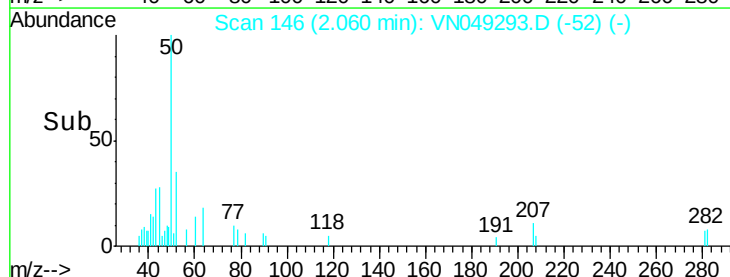
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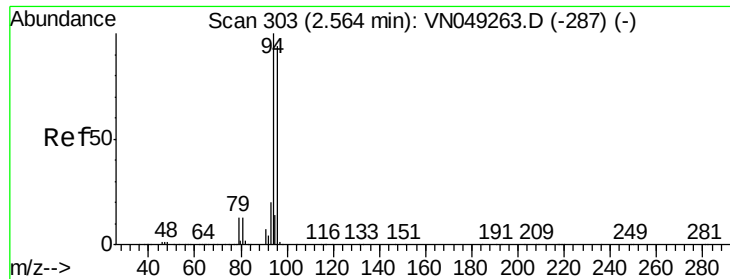
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.45 ug/l

RT: 2.58 min Scan# 308

Delta R.T. 0.02 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

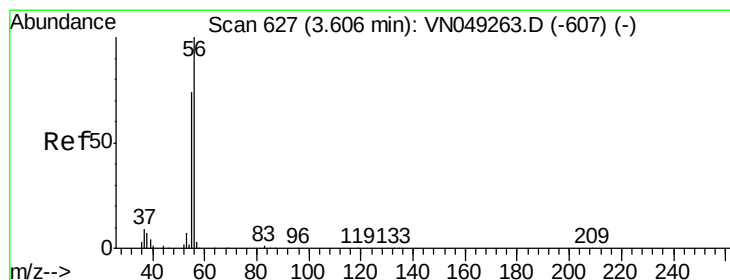
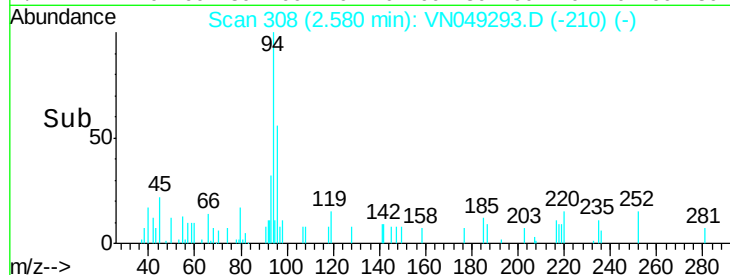
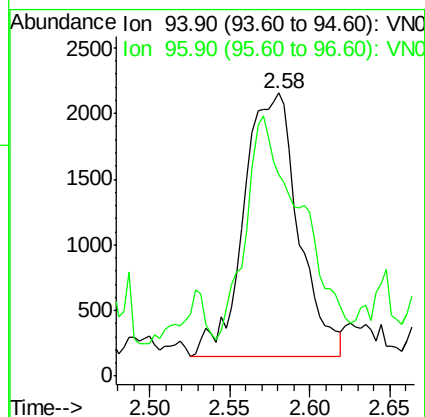
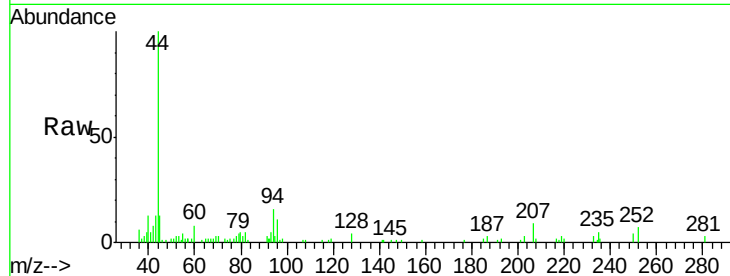
ClientSampled :

Tot Ion: 94 Resp: 4686

Ion Ratio Lower Upper

94 100

96 53.0 72.8 109.2#



#13

Acrolein

Concen: 0.32 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049293.D

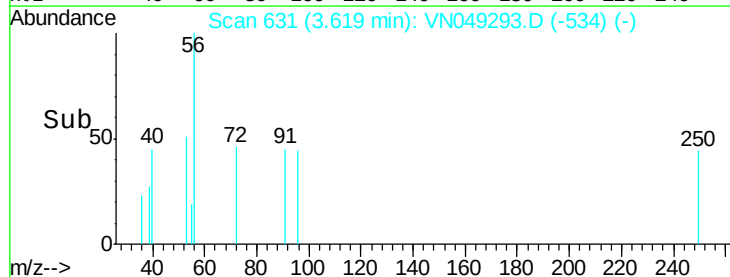
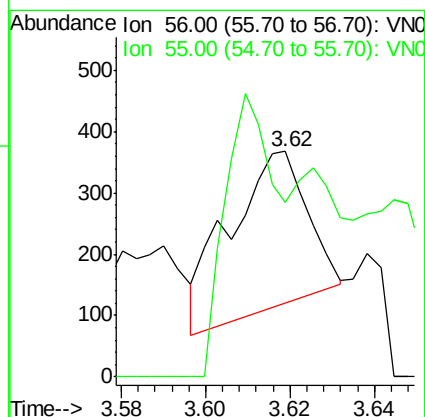
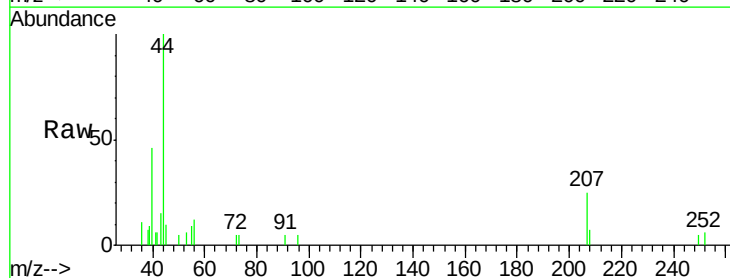
Acq: 16 Jun 2018 6:52

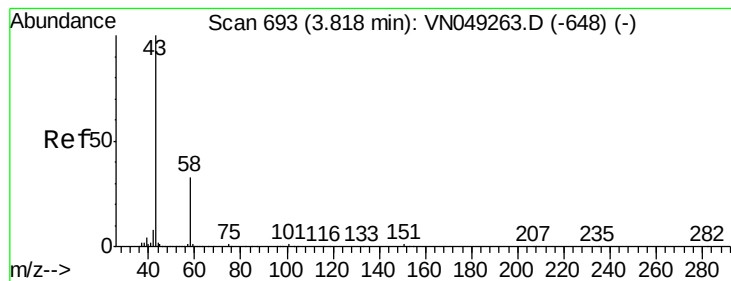
Tgt Ion: 56 Resp: 331

Ion Ratio Lower Upper

56 100

55 118.7 57.1 85.7#





#16

Acetone

Concen: 10.92 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

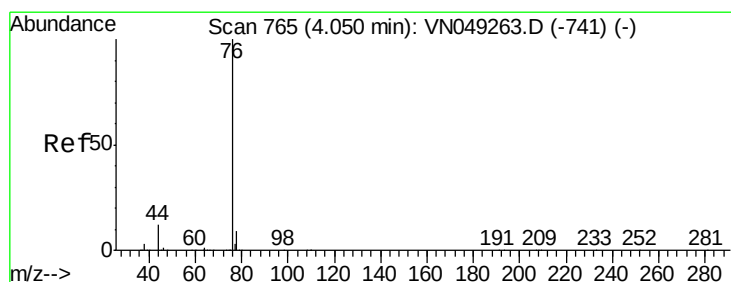
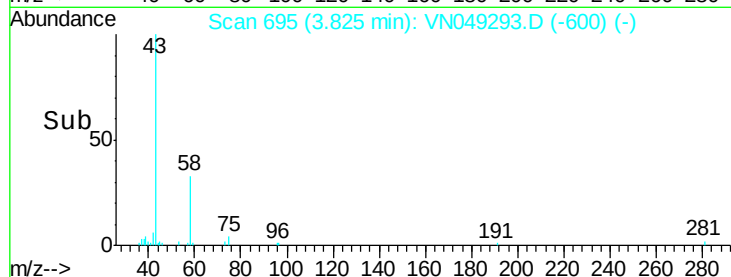
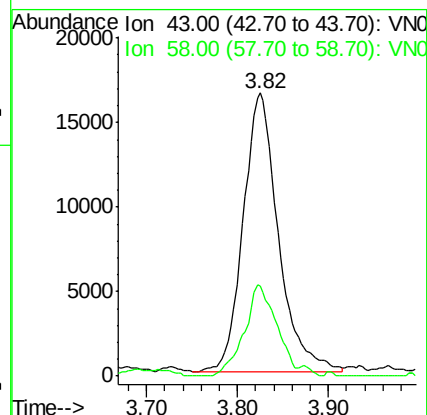
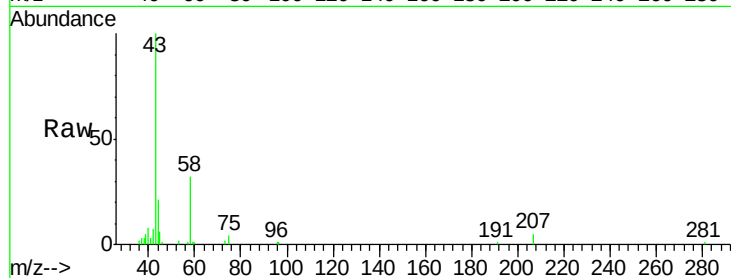
ClientSampleId :

Tot Ion: 43 Resp: 44511

Ion Ratio Lower Upper

43 100

58 32.3 22.4 33.6



#17

Carbon Disulfide

Concen: 1.27 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049293.D

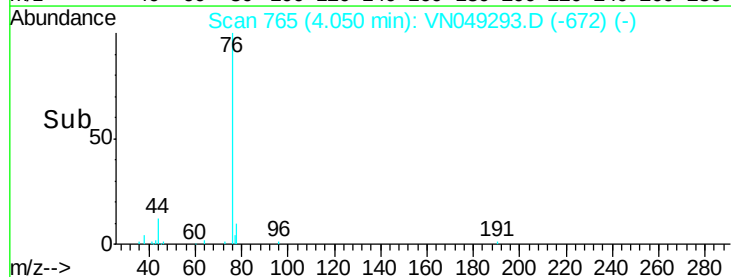
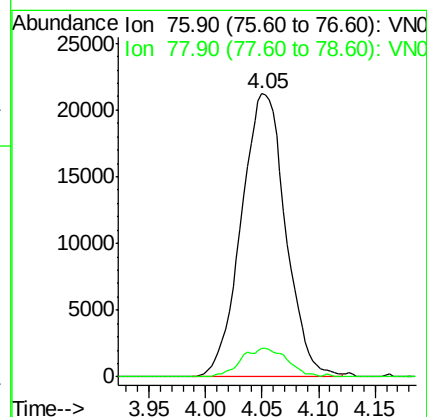
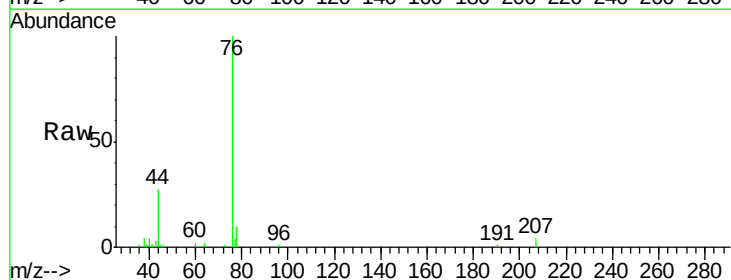
Acq: 16 Jun 2018 6:52

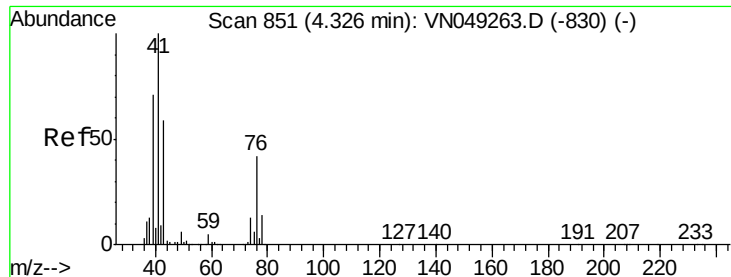
Tgt Ion: 76 Resp: 57980

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0

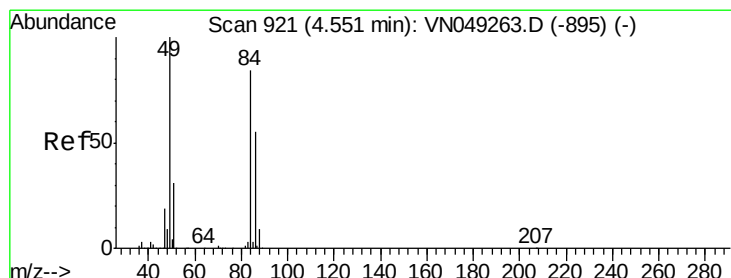
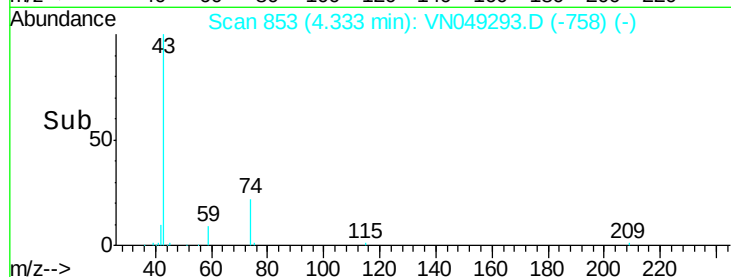
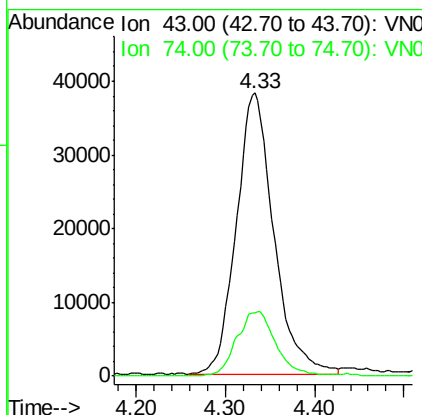
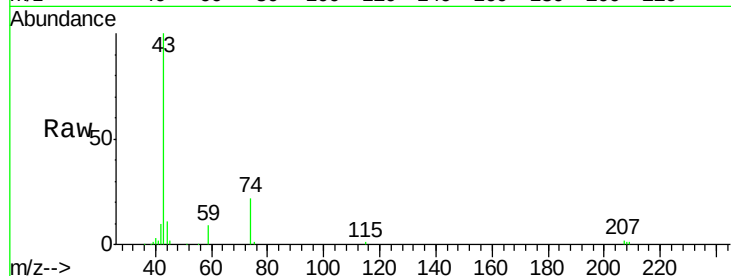




#18
Methvl Acetate
Concen: 8.94 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049293.D
Acq: 16 Jun 2018 6:52

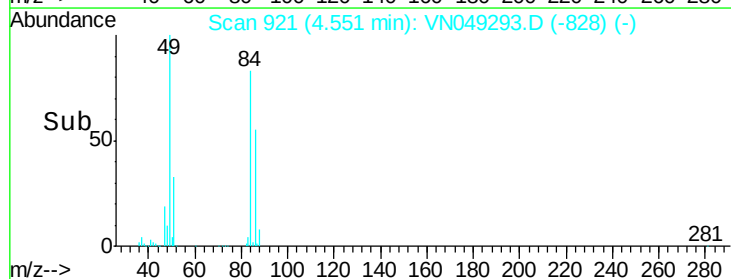
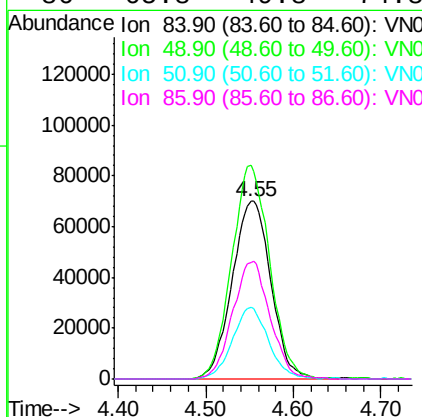
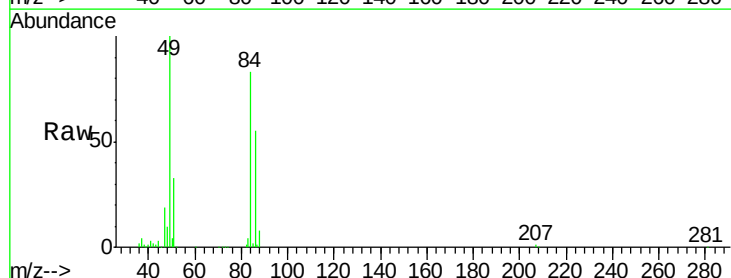
Instrument :
MSVOA_N
ClientSampleId :

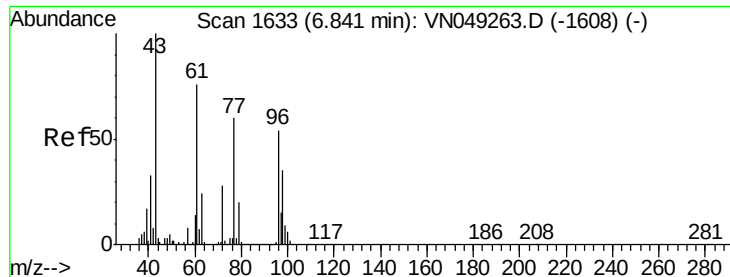
Tot Ion: 43 Resp: 111145
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0



#20
Methylene Chloride
Concen: 12.65 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049293.D
Acq: 16 Jun 2018 6:52

Tgt Ion: 84 Resp: 215370
Ion Ratio Lower Upper
84 100
49 120.1 106.9 160.3
51 40.1 32.7 49.1
86 65.8 49.8 74.8

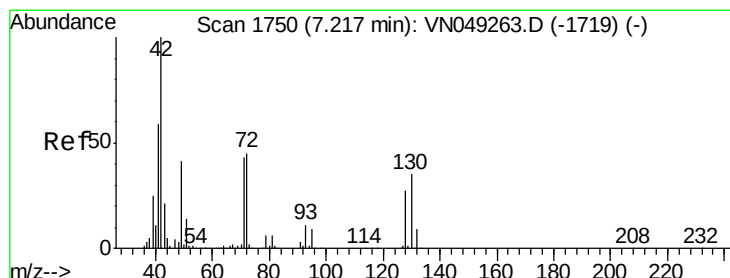
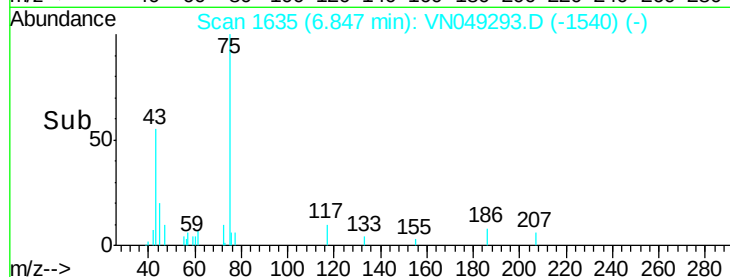
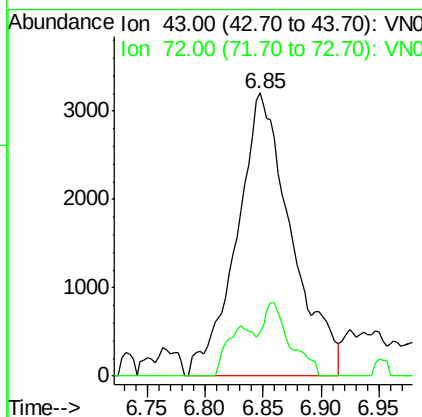
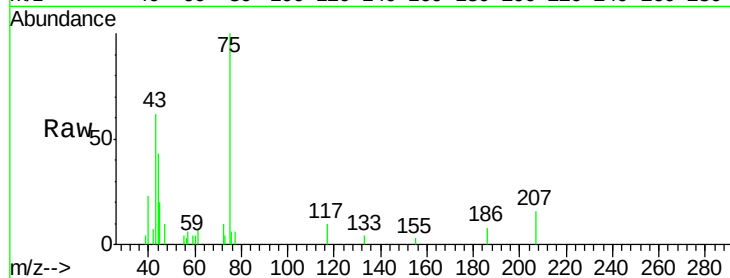




#25
2-Butanone
Concen: 1.91 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049293.D
Acq: 16 Jun 2018 6:52

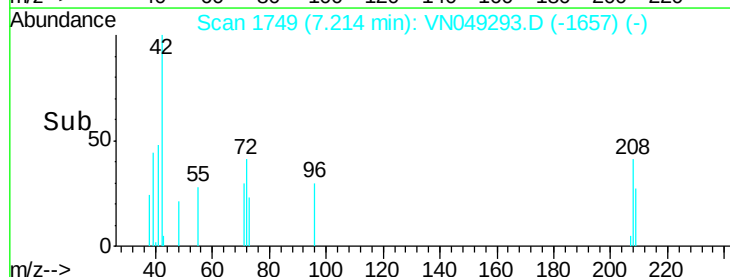
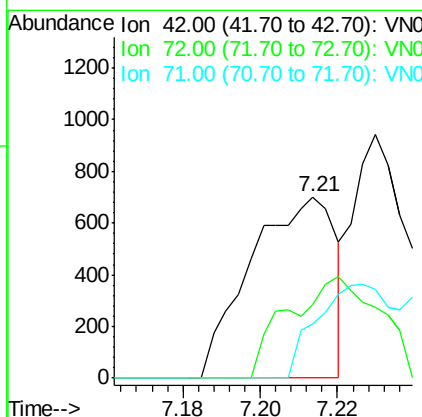
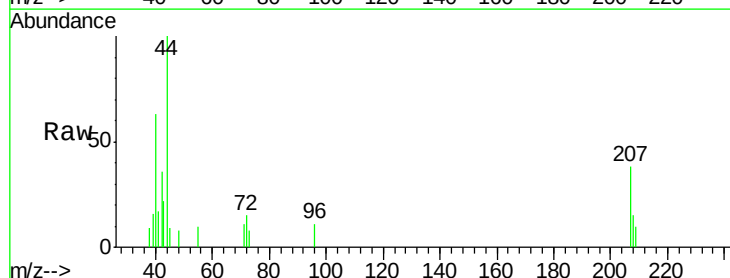
Instrument :
MSVOA_N
ClientSampleId :

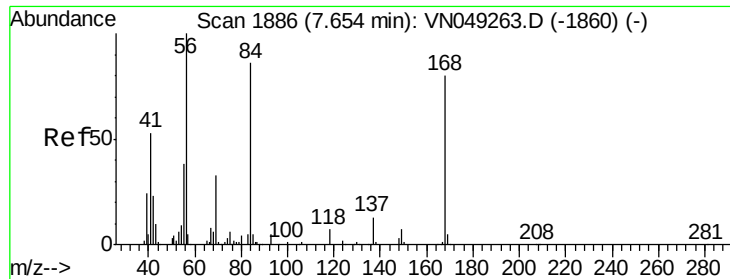
Tot Ion: 43 Resp: 10452
Ion Ratio Lower Upper
43 100
72 15.4 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049293.D
Acq: 16 Jun 2018 6:52

Tgt Ion: 42 Resp: 1069
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 0.0 30.5 45.7#

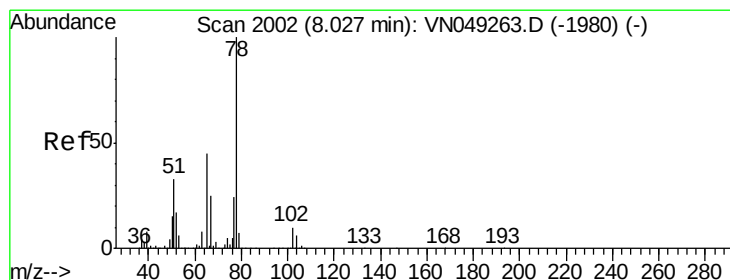
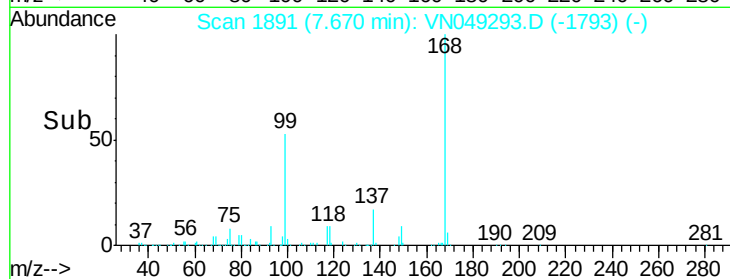
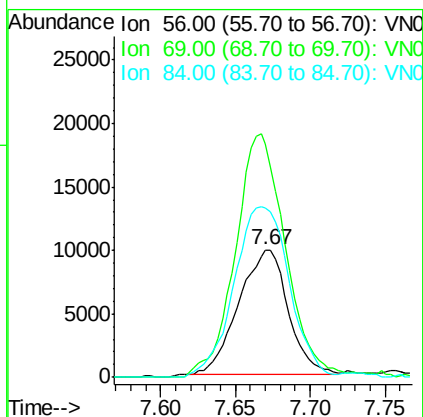
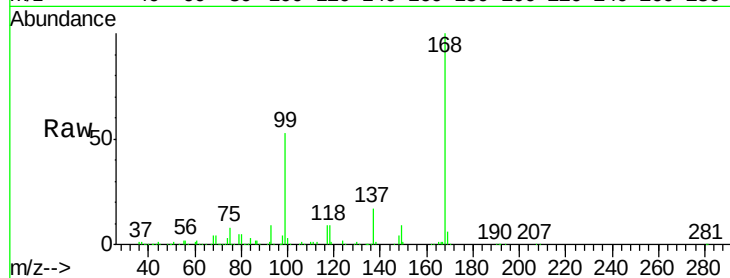




#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049293.D
Acq: 16 Jun 2018 6:52

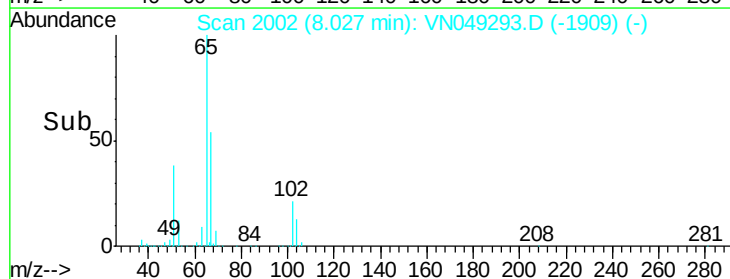
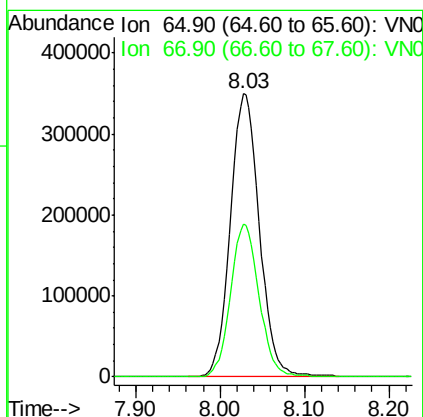
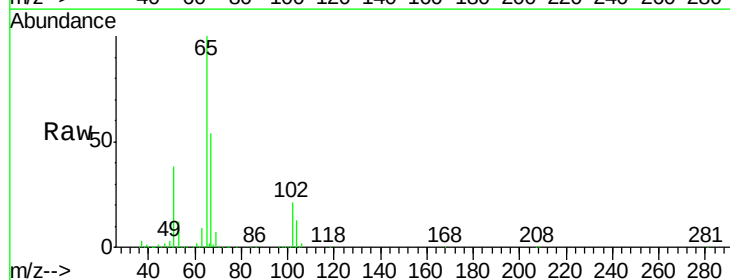
Instrument :
MSVOA_N
ClientSampled :

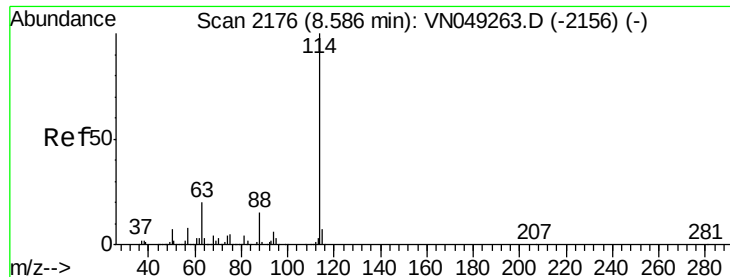
Tot Ion	56	Resp	22857
Ion Ratio	100		
Lower	25.0		
Upper	37.4#		
69	182.0		
84	133.3		
	64.6		
	96.8#		



#33
1,2-Dichloroethane-d4
Concen: 49.96 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049293.D
Acq: 16 Jun 2018 6:52

Tgt Ion	65	Resp	838884
Ion Ratio	100		
Lower	0.0		
Upper	103.8		
67	53.0		



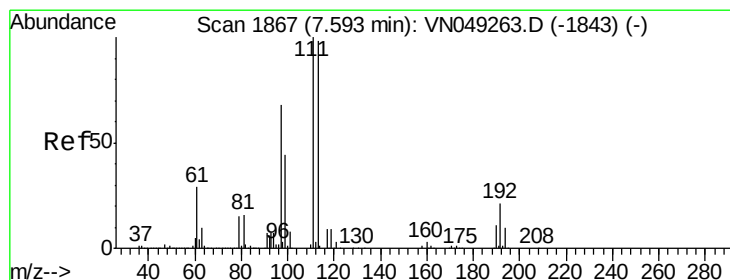
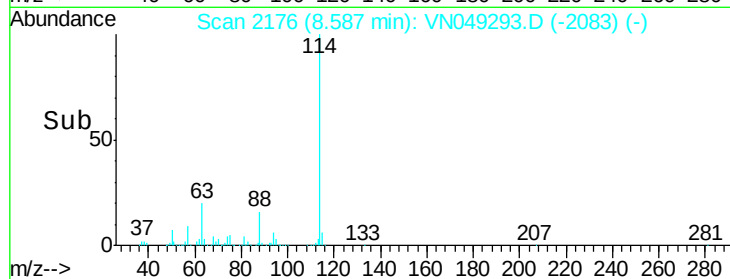
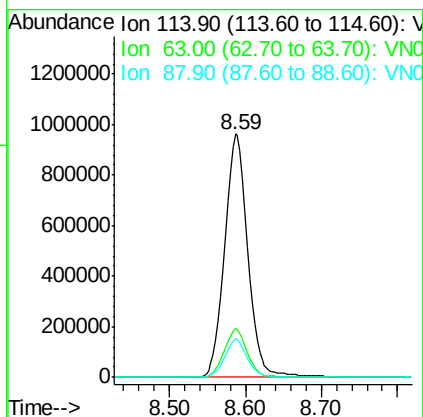
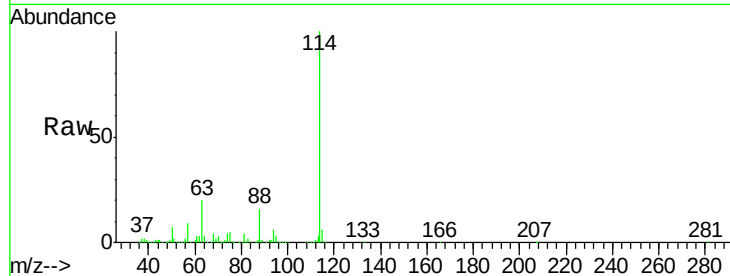


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049293.D
 Acq: 16 Jun 2018 6:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2053386

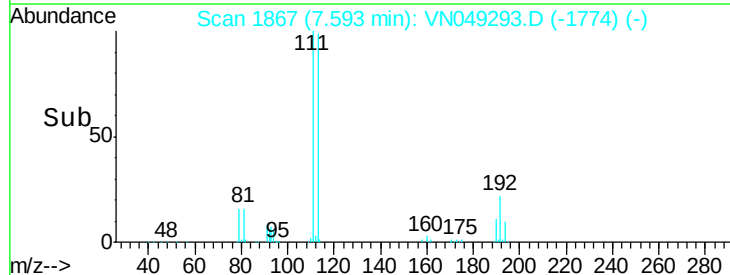
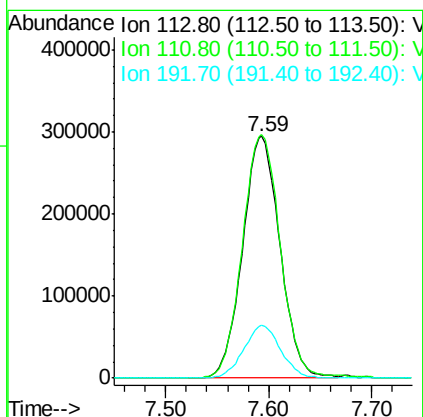
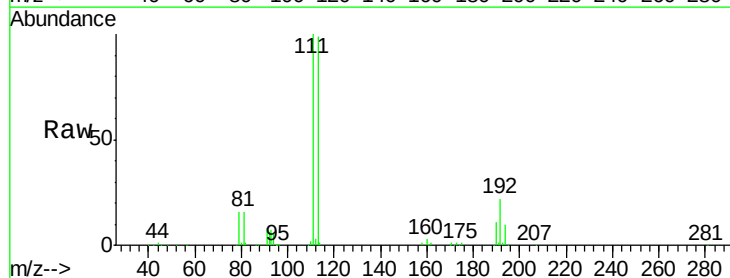
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	44.4
88	15.7	0.0	31.4

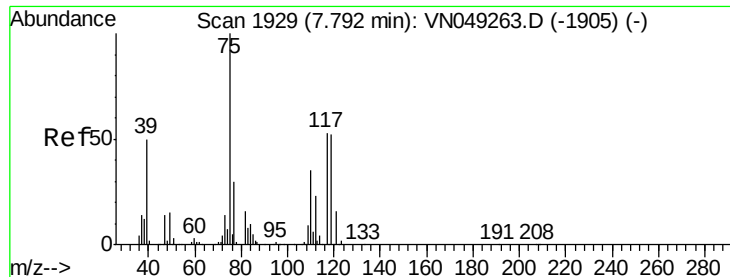


#35
 Dibromofluoromethane
 Concen: 44.60 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049293.D
 Acq: 16 Jun 2018 6:52

Tgt Ion:113 Resp: 740946

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	21.7	15.0	22.6





#36

1,1-Dichloropropene

Concen: 4.03 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :
MSVOA_N
ClientSampled :

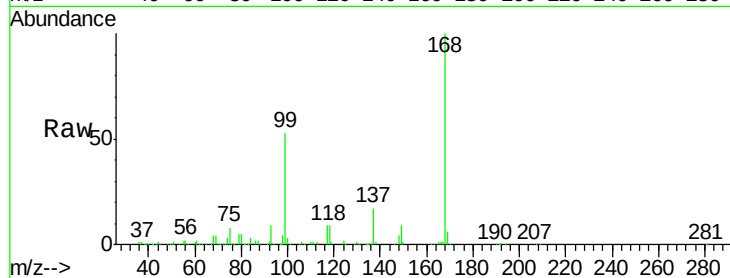
Tot Ion: 75 Resp: 94783

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

77 0.1 24.4 36.6#

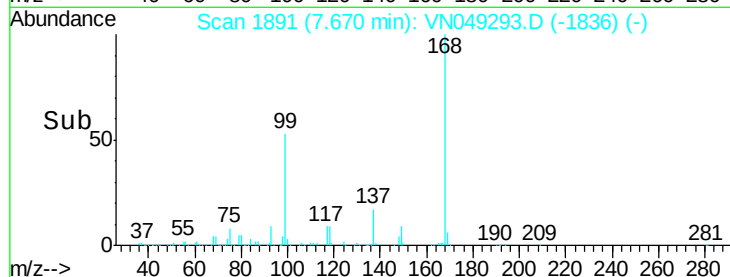


Abundance Ion 74.90 (74.60 to 75.60): VN049293.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049293.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049293.D (-1836) (-)

Time-->



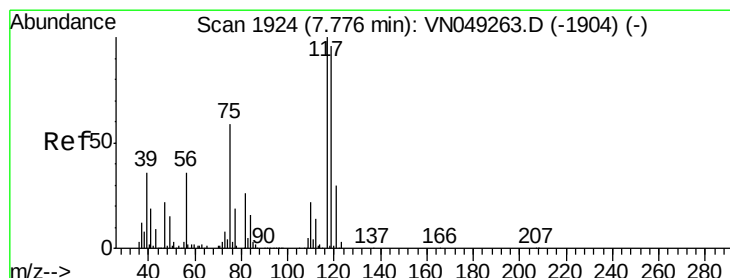
Abundance

Ion 74.90 (74.60 to 75.60): VN049293.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049293.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049293.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

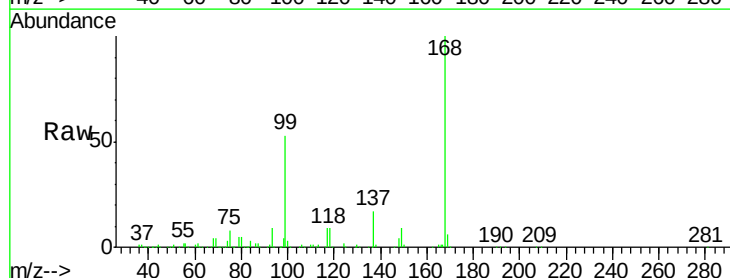
Tgt Ion: 117 Resp: 115673

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

121 0.0 24.7 37.1#

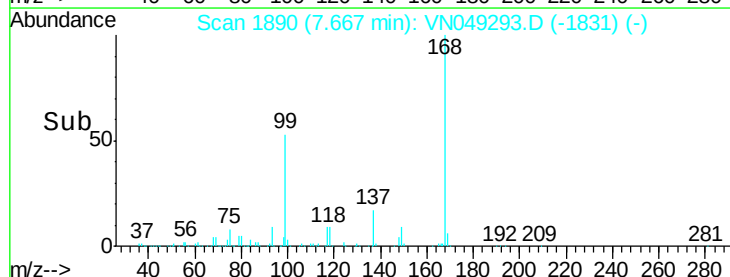


Abundance Ion 116.80 (116.50 to 117.50): VN049293.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049293.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049293.D (-1831) (-)

Time-->



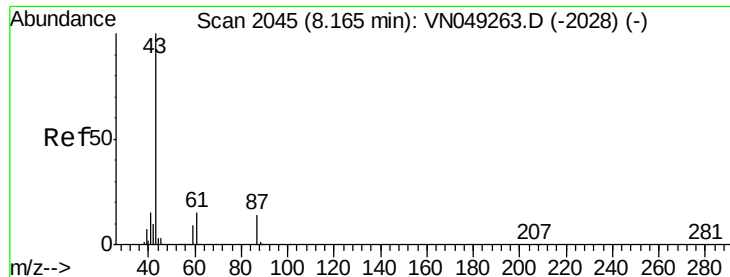
Abundance

Ion 116.80 (116.50 to 117.50): VN049293.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049293.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049293.D (-1831) (-)

Time-->



#43

Isopropyl Acetate

Concen: 15.79 ug/l

RT: 8.21 min Scan# 2058

Delta R.T. 0.04 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampled :

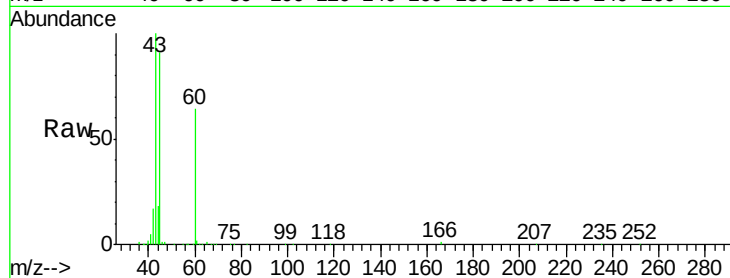
Tot Ion: 43 Resp: 385913

Ion Ratio Lower Upper

43 100

61 0.5 14.2 21.4#

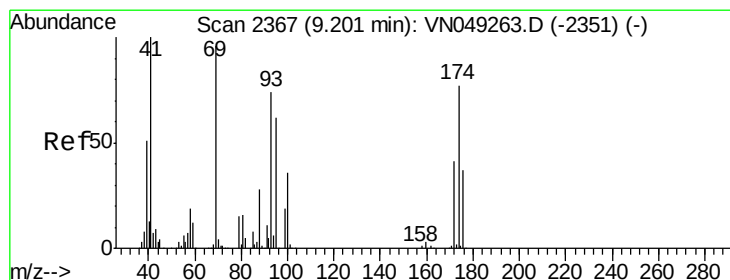
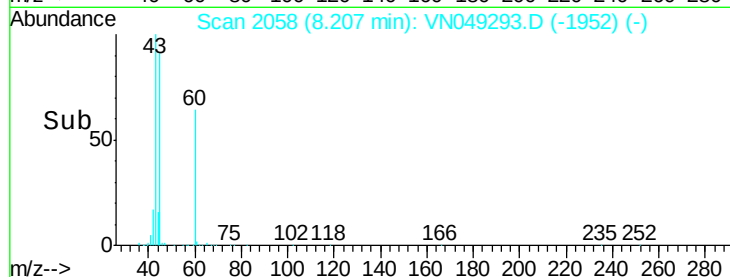
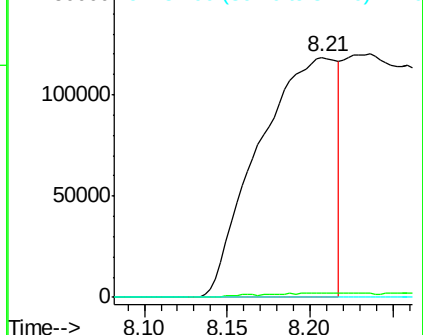
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 0.88 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.02 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

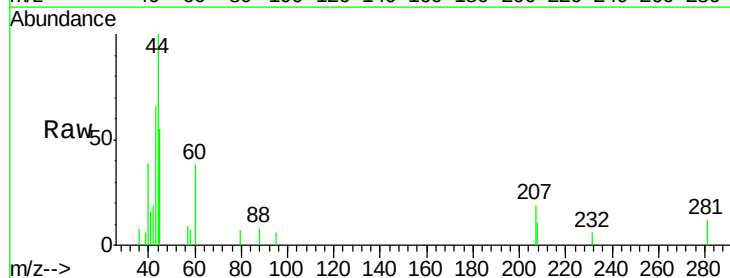
Tgt Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 468.6 30.9 46.3#

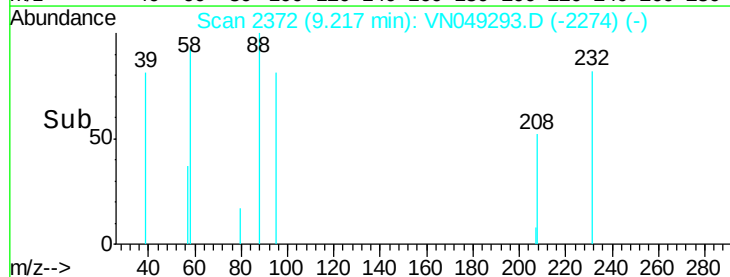
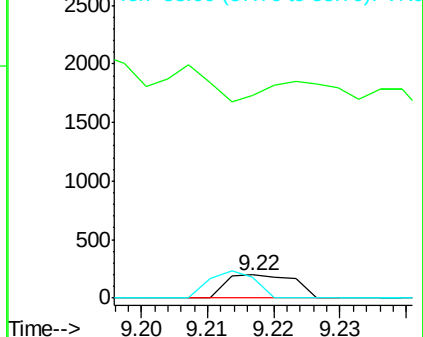
58 80.0 58.9 88.3

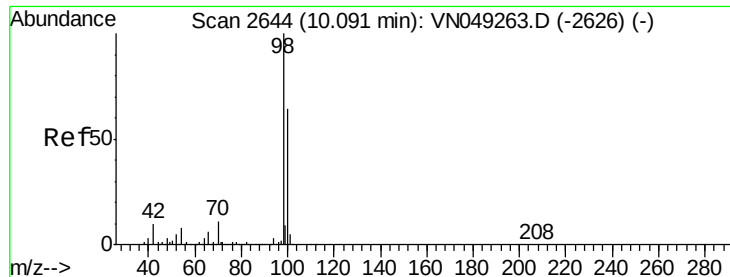


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 43.90 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

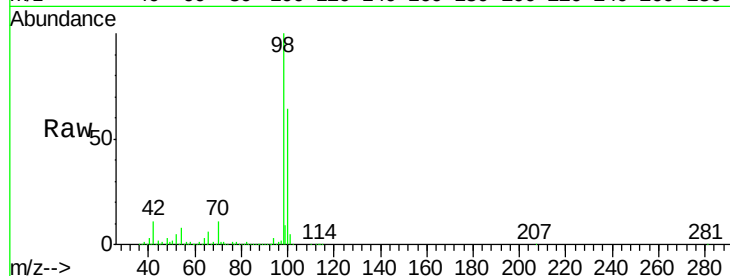
ClientSampleId :

Tot Ion: 98 Resp: 2776919

Ion Ratio Lower Upper

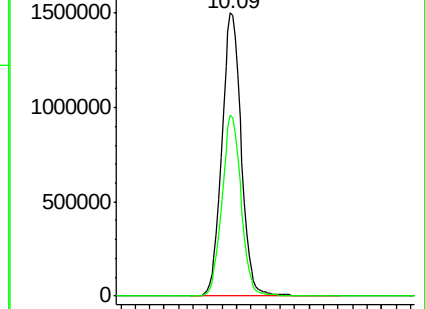
98 100

100 63.1 49.8 74.8

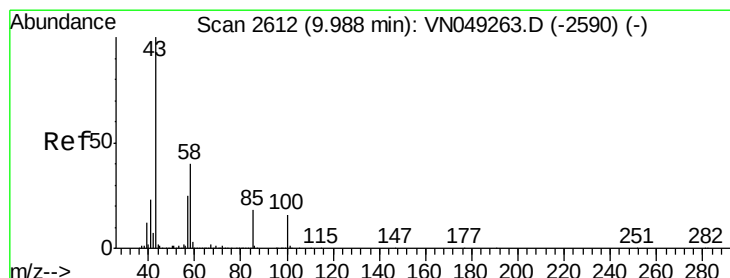
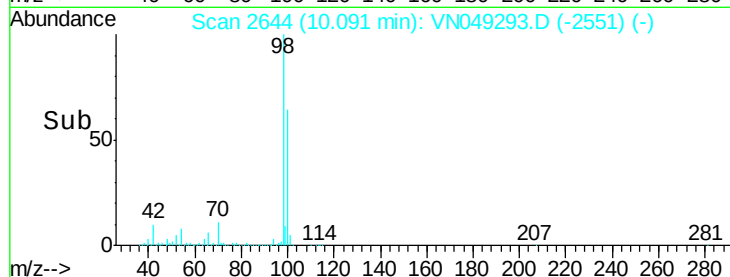


Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

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



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049293.D

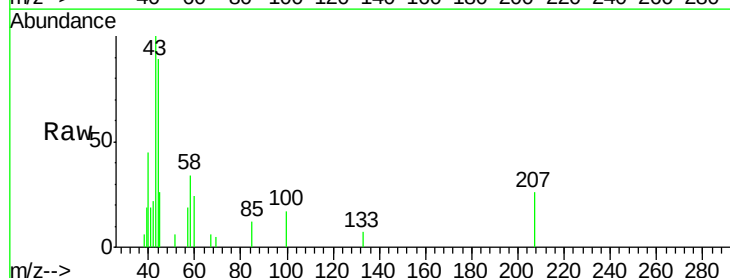
Acq: 16 Jun 2018 6:52

Tgt Ion: 43 Resp: 4476

Ion Ratio Lower Upper

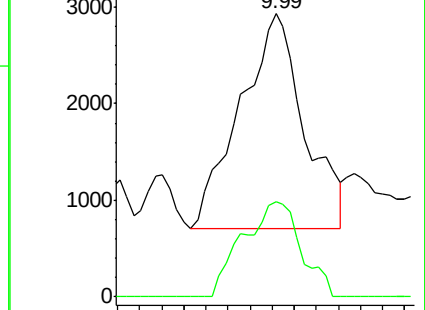
43 100

58 40.4 29.0 43.6

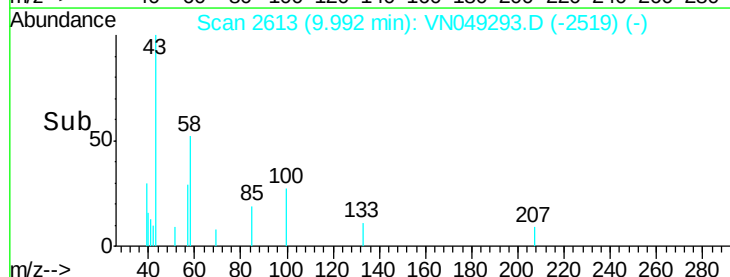


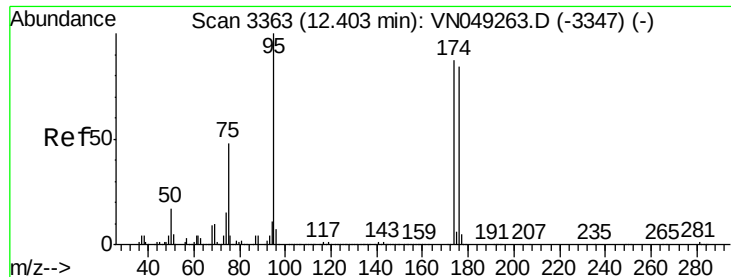
Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

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



Time-->





#62

4-Bromofluorobenzene

Concen: 30.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

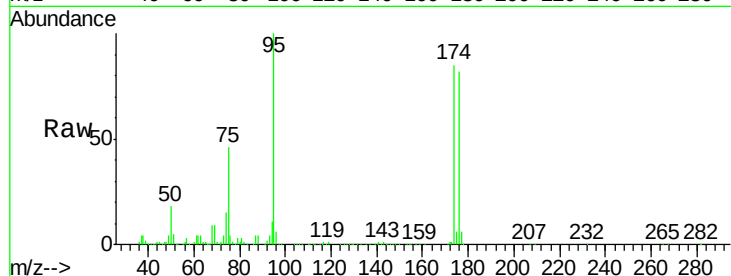
Tot Ion: 95 Resp: 636160

Ion Ratio Lower Upper

95 100

174 88.1 0.0 165.6

176 84.1 0.0 157.4



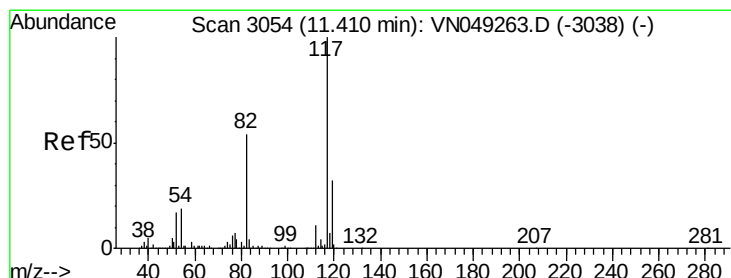
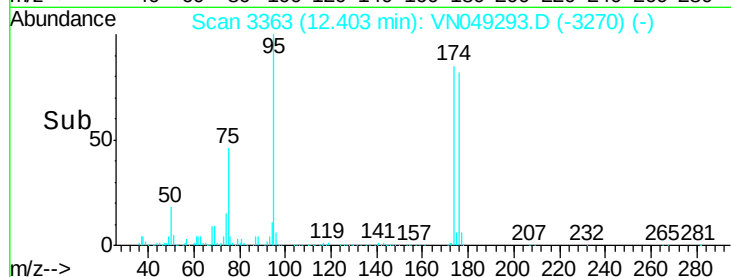
Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

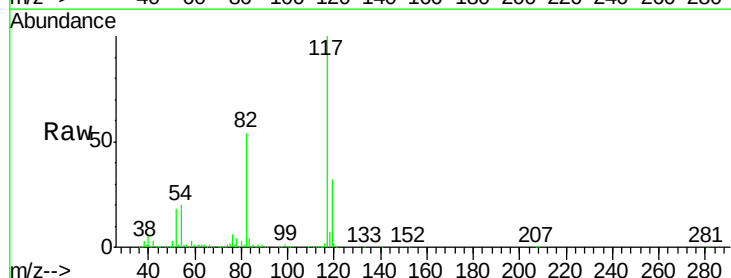
Tgt Ion: 117 Resp: 1595693

Ion Ratio Lower Upper

117 100

82 54.1 45.9 68.9

119 32.4 25.5 38.3



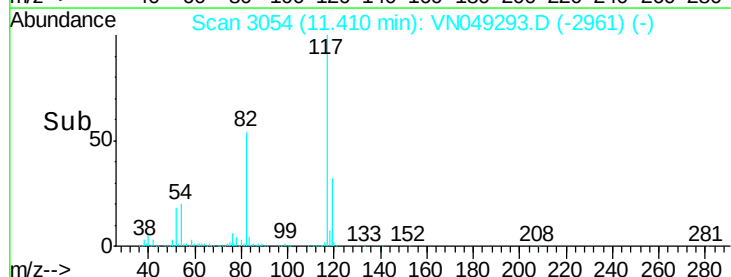
Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

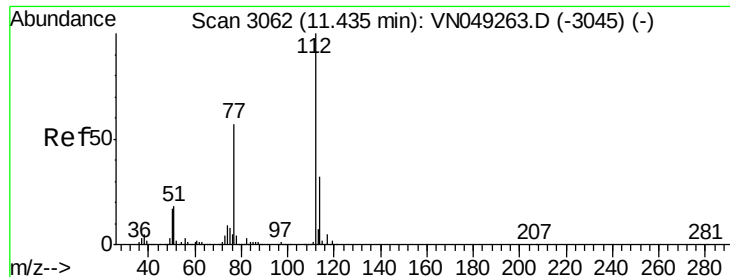
Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)

11.41

Time--> 11.30 11.40 11.50





#65

Chlorobenzene

Concen: 0.43 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

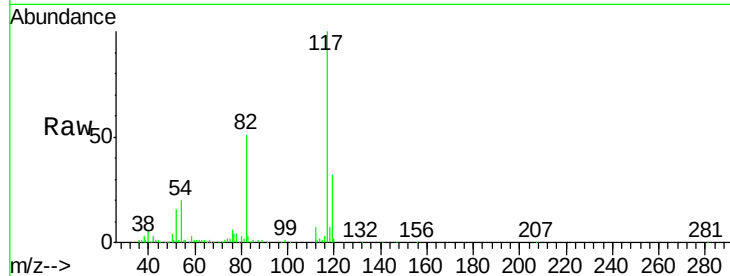
ClientSampled :

Tot Ion:112 Resp: 17849

Ion Ratio Lower Upper

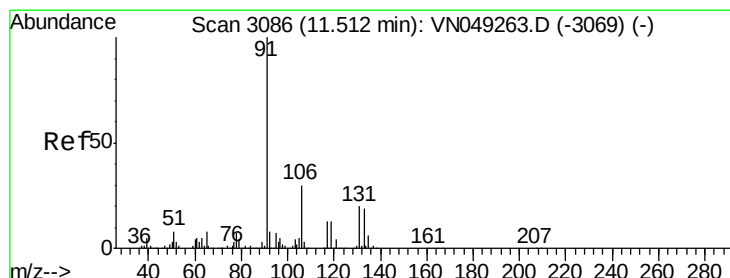
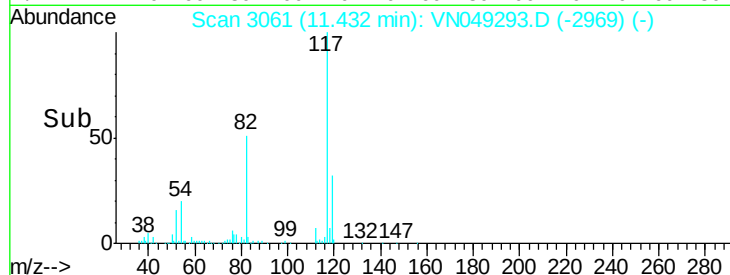
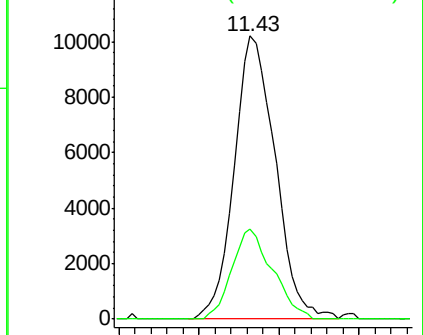
112 100

114 32.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.64 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049293.D

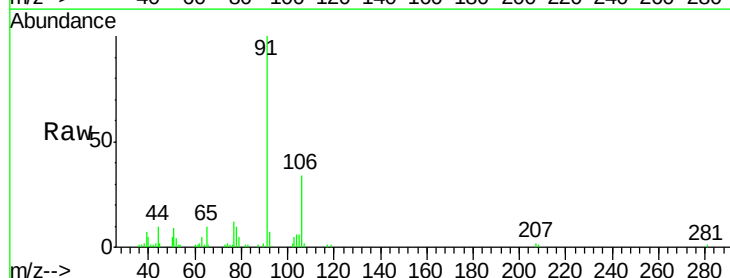
Acq: 16 Jun 2018 6:52

Tgt Ion: 91 Resp: 43890

Ion Ratio Lower Upper

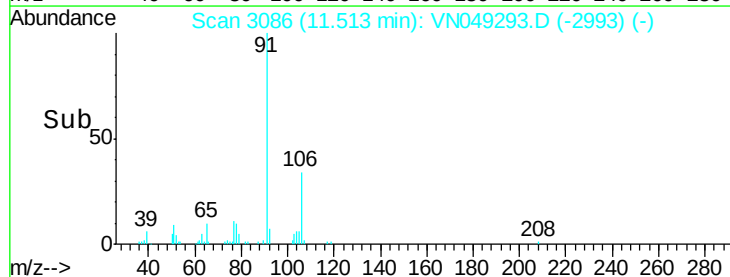
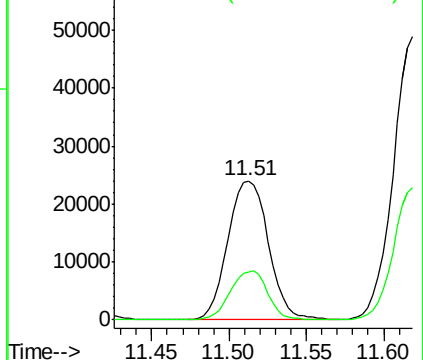
91 100

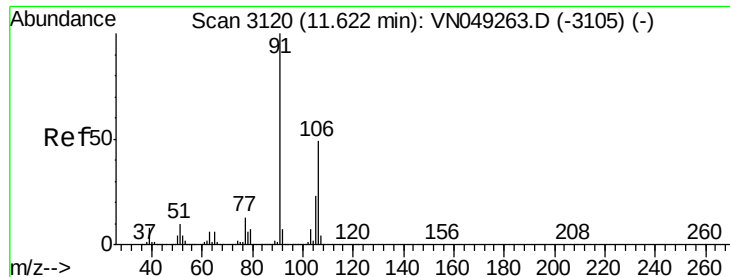
106 34.3 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.75 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

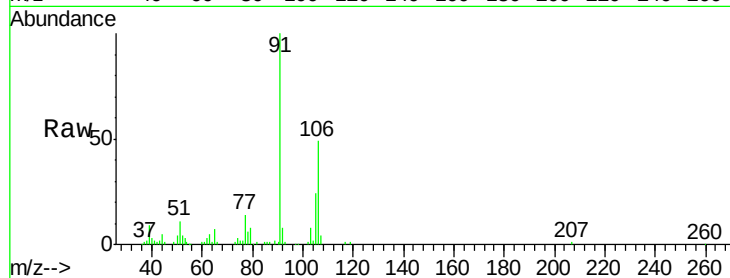
ClientSampled :

Tot Ion:106 Resp: 44691

Ion Ratio Lower Upper

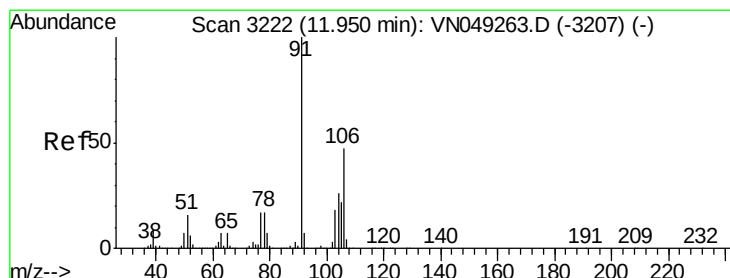
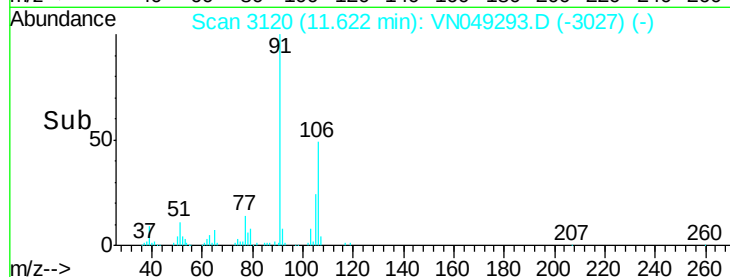
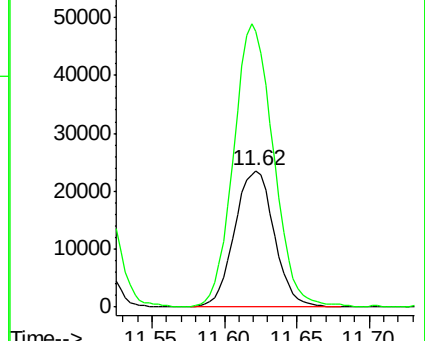
106 100

91 209.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.57 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049293.D

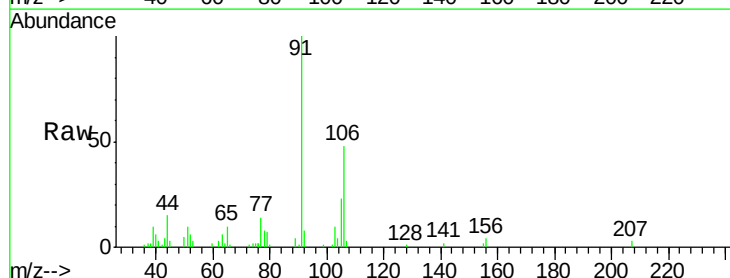
Acq: 16 Jun 2018 6:52

Tgt Ion:106 Resp: 13975

Ion Ratio Lower Upper

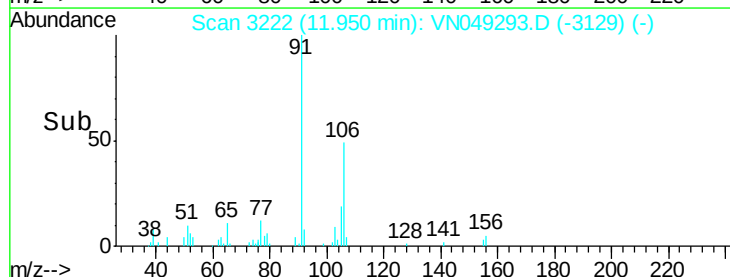
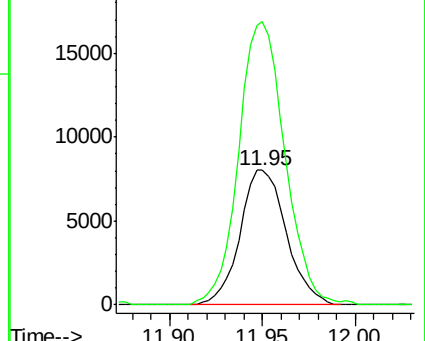
106 100

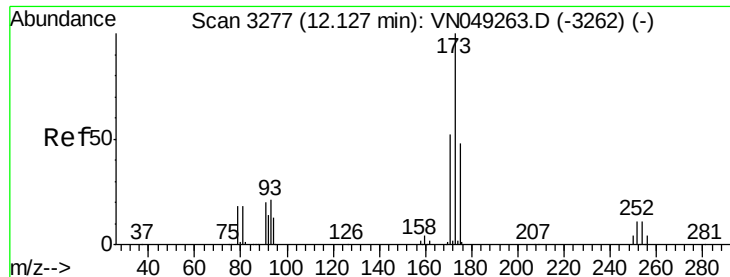
91 209.8 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

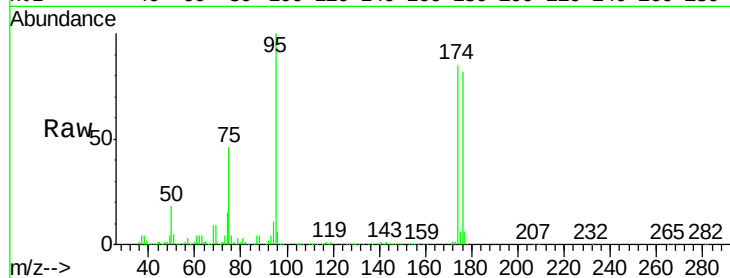
Tot Ion:173 Resp: 4714

Ion Ratio Lower Upper

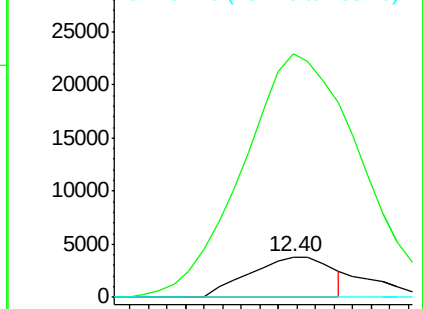
173 100

175 666.1 24.5 73.5#

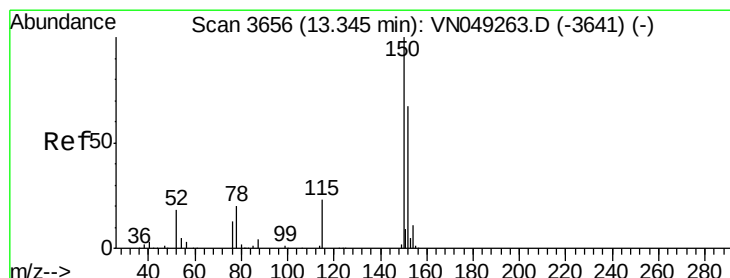
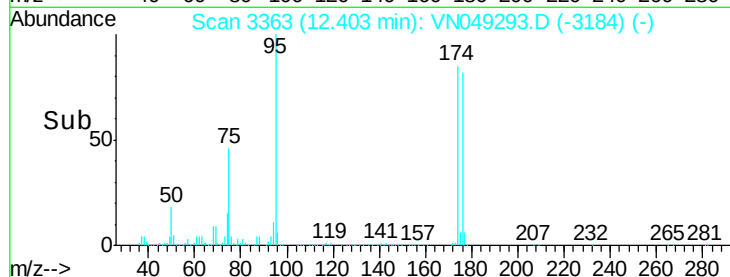
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

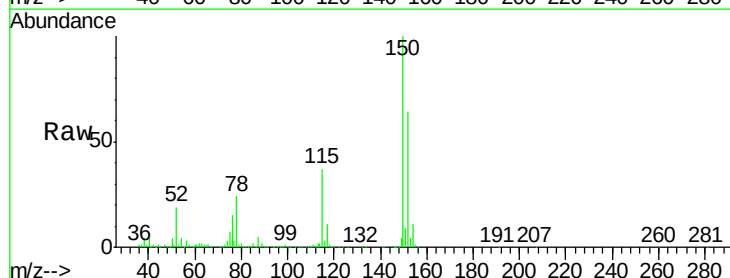
Tgt Ion:152 Resp: 436411

Ion Ratio Lower Upper

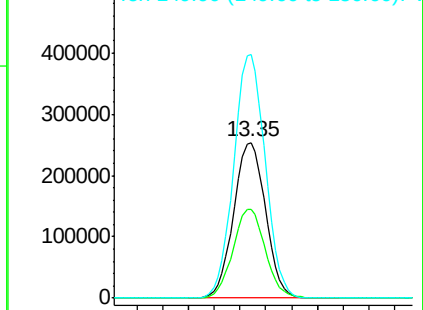
152 100

115 57.8 28.7 86.1

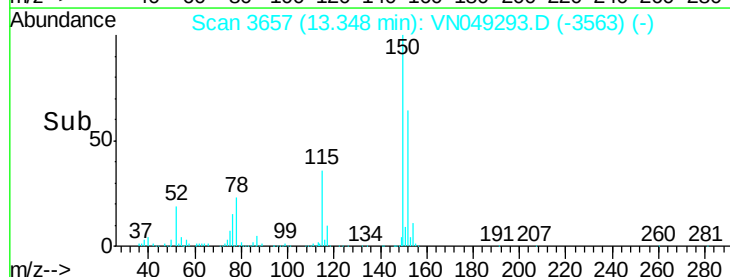
150 154.7 0.0 351.0

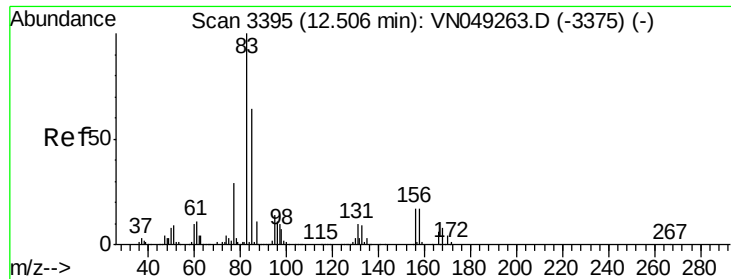


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

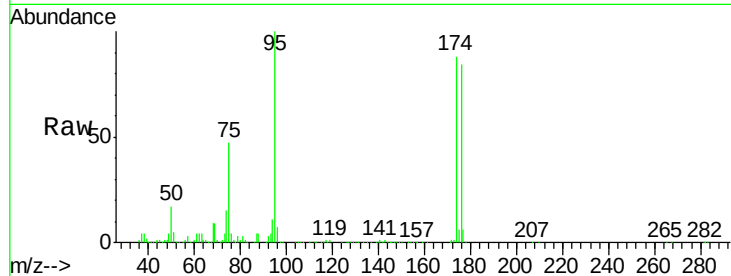
Tot Ion: 83 Resp: 474

Ion Ratio Lower Upper

83 100

131 97.9 5.0 15.0#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

12.41

400

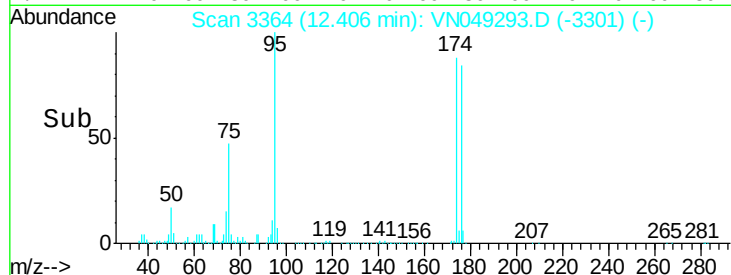
300

200

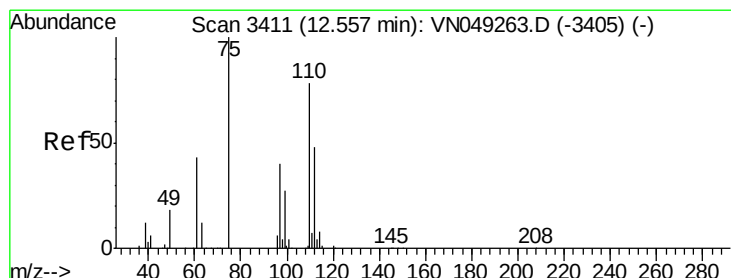
100

0

12.38 12.40 12.42



Time-->



#76

1,2,3-Trichloropropane

Concen: 40.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049293.D

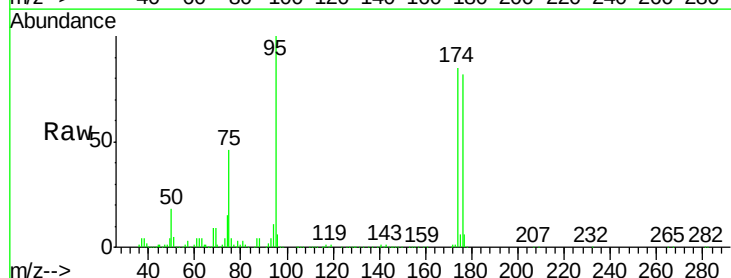
Acq: 16 Jun 2018 6:52

Tgt Ion: 75 Resp: 298331

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

200000

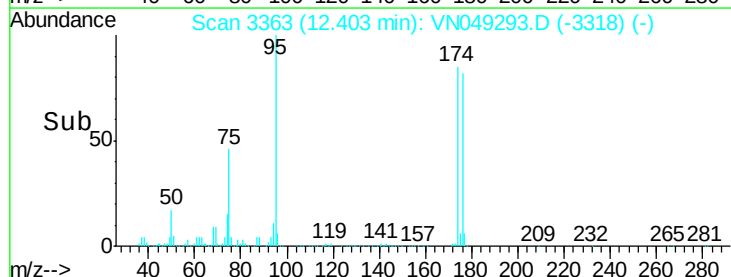
150000

100000

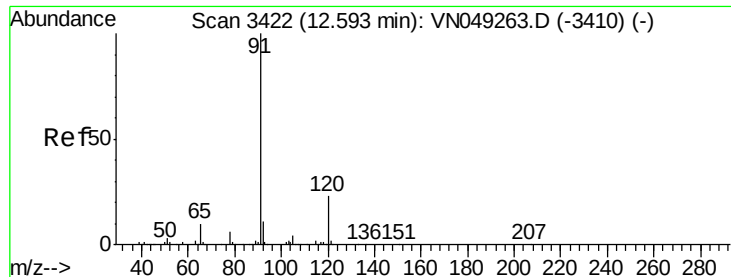
50000

0

12.30 12.40 12.50



Time-->



#78

n-propylbenzene

Concen: 0.66 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

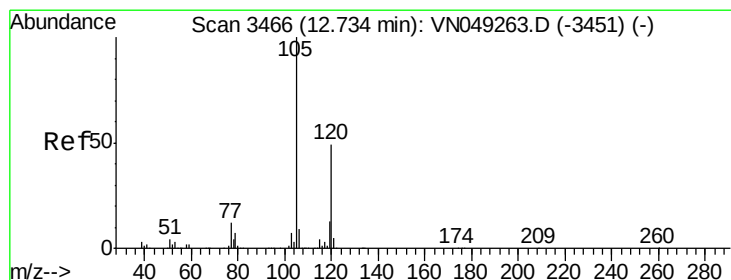
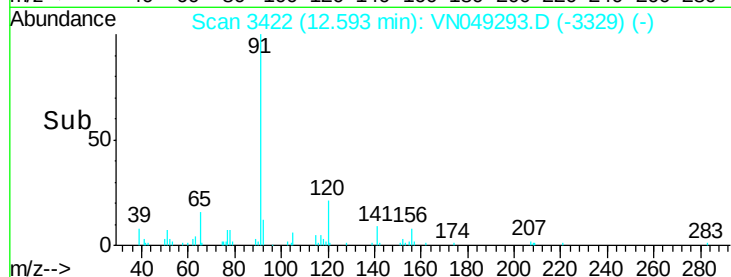
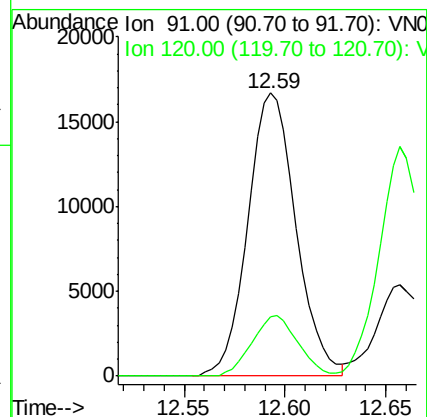
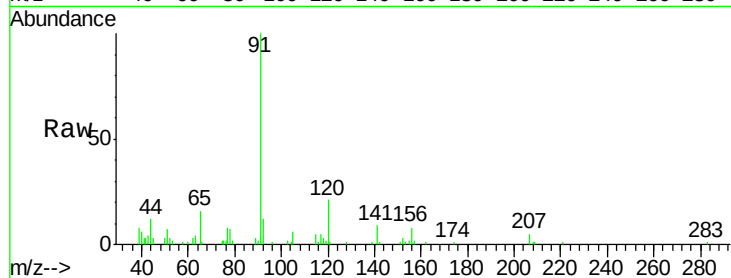
ClientSampleId :

Tot Ion: 91 Resp: 27874

Ion Ratio Lower Upper

91 100

120 20.5 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 1.56 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049293.D

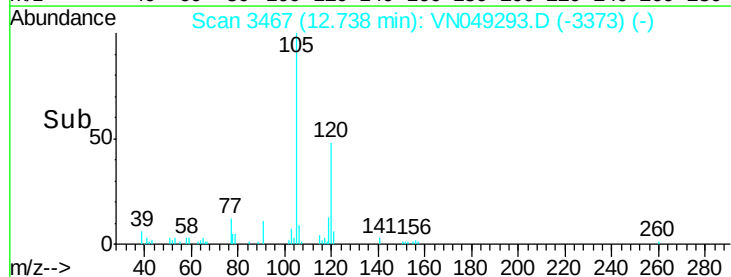
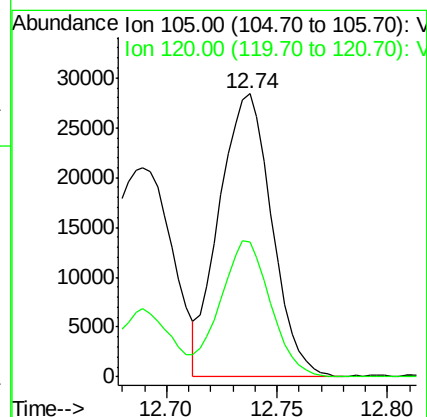
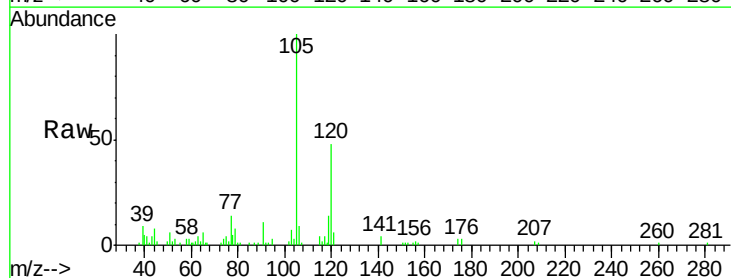
Acq: 16 Jun 2018 6:52

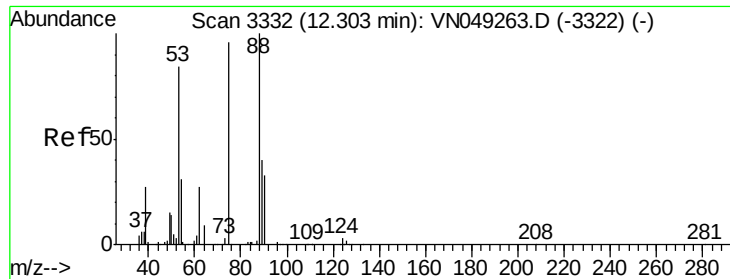
Tgt Ion: 105 Resp: 47095

Ion Ratio Lower Upper

105 100

120 45.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 126.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

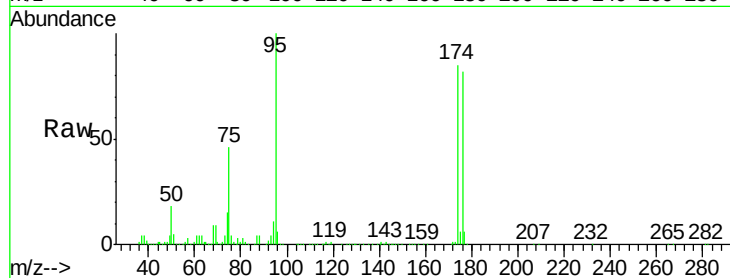
Tot Ion: 75 Resp: 298331

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

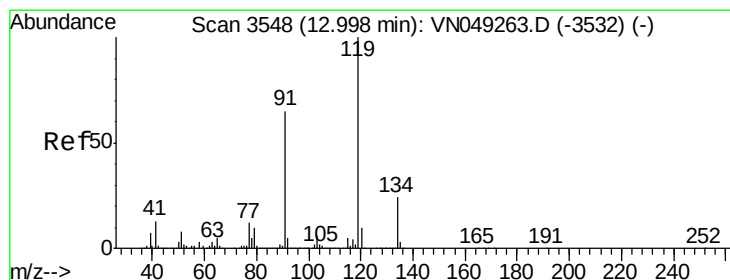
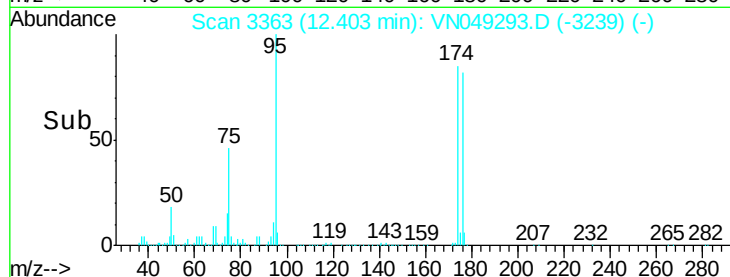
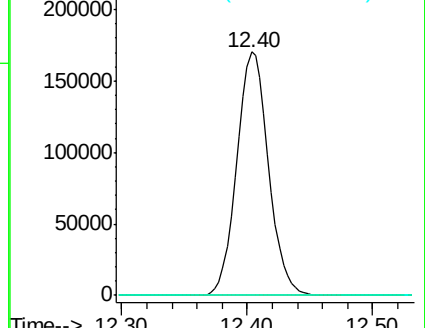
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049293.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049293.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049293.D (-3363) (-)



#83

tert-Butylbenzene

Concen: 0.68 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

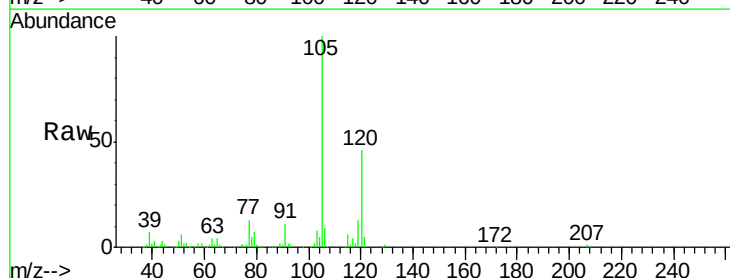
Tgt Ion: 119 Resp: 18168

Ion Ratio Lower Upper

119 100

91 81.2 33.7 101.0

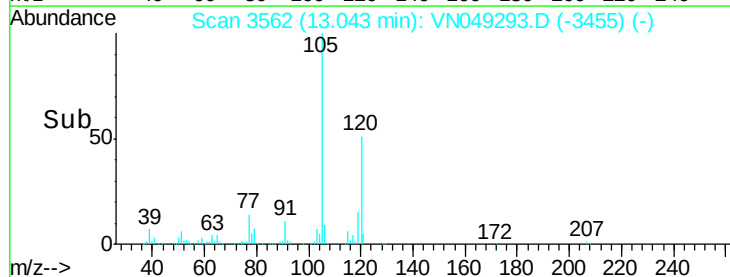
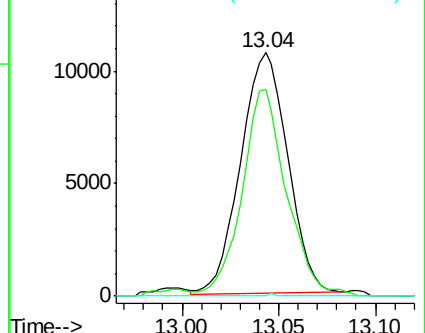
134 0.0 12.9 38.6#

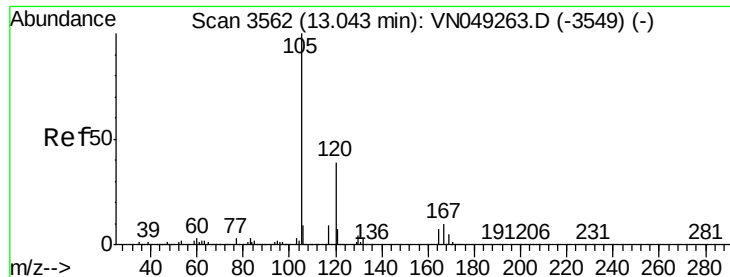


Abundance Ion 119.00 (118.70 to 119.70): VN049293.D (-3562) (-)

Ion 91.00 (90.70 to 91.70): VN049293.D (-3562) (-)

Ion 134.00 (133.70 to 134.70): VN049293.D (-3562) (-)





#84

1,2,4-Trimethylbenzene

Concen: 4.50 ua/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

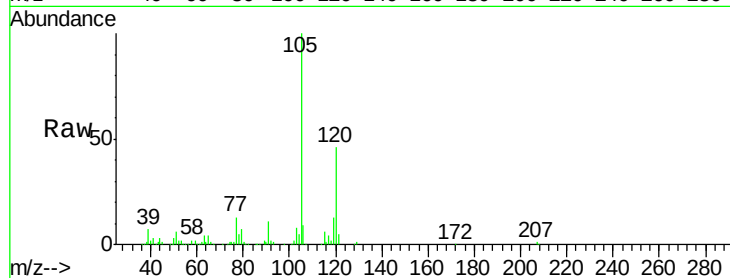
ClientSampleId :

Tot Ion:105 Resp: 134565

Ion Ratio Lower Upper

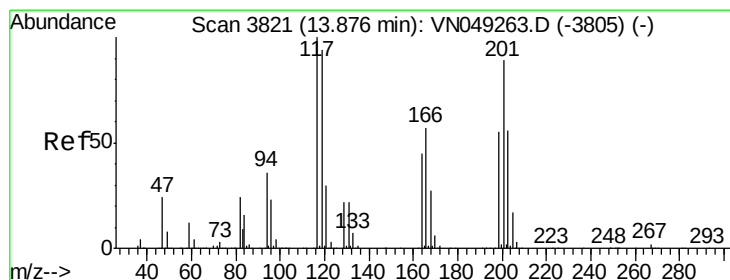
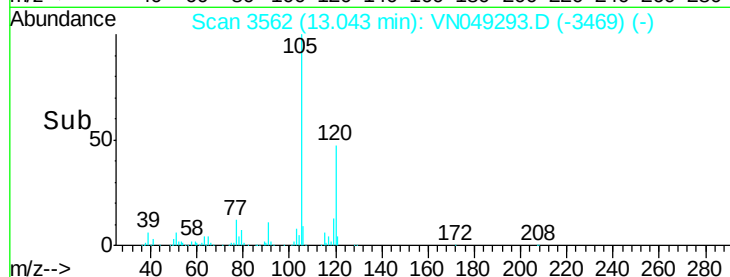
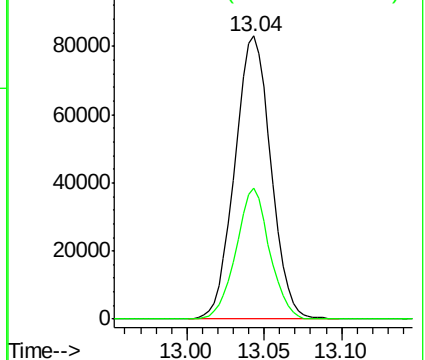
105 100

120 43.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN049293.D

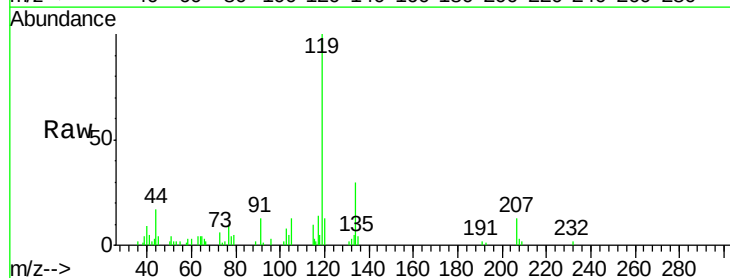
Acq: 16 Jun 2018 6:52

Tgt Ion:117 Resp: 3349

Ion Ratio Lower Upper

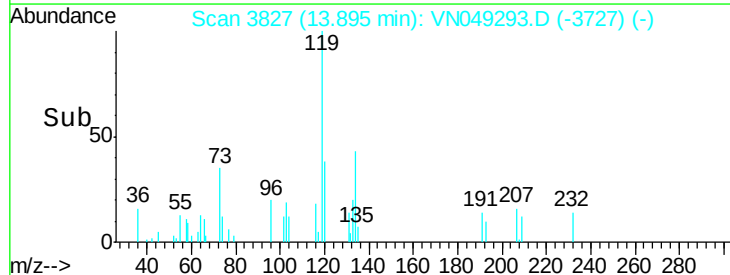
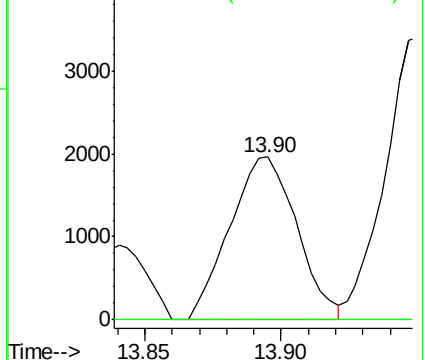
117 100

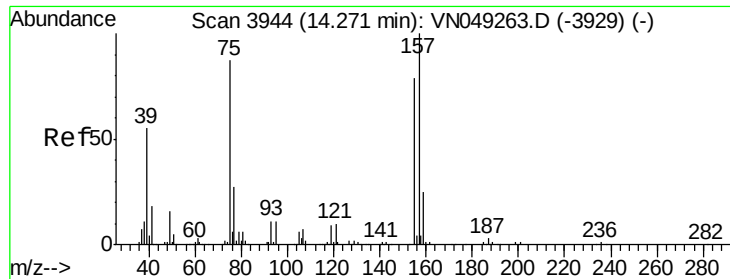
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.27 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampled :

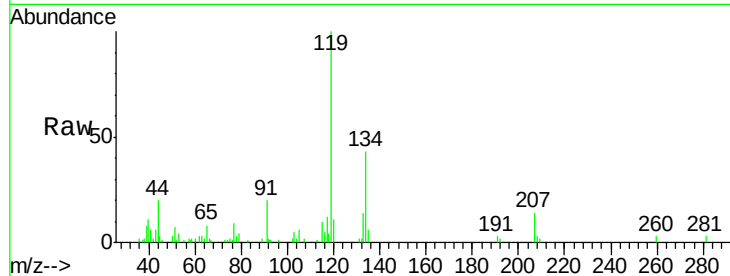
Tot Ion: 75 Resp: 362

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): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.26

300

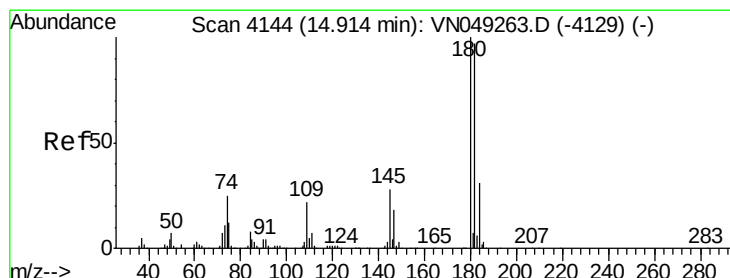
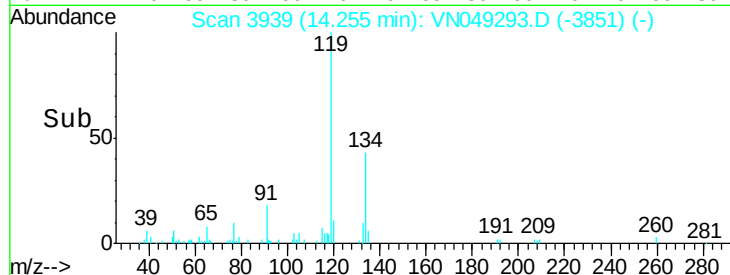
200

100

0

14.22 14.24 14.26 14.28

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.82 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

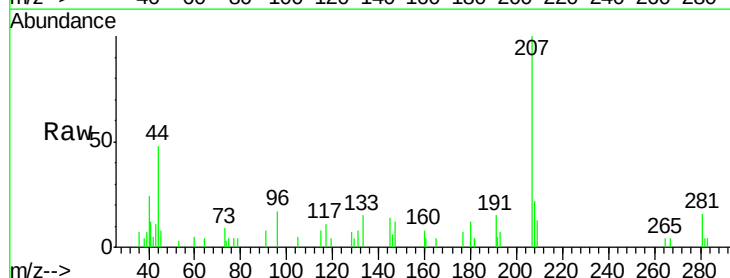
Tgt Ion: 180 Resp: 606

Ion Ratio Lower Upper

180 100

182 59.4 46.9 140.8

145 0.0 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

14.91

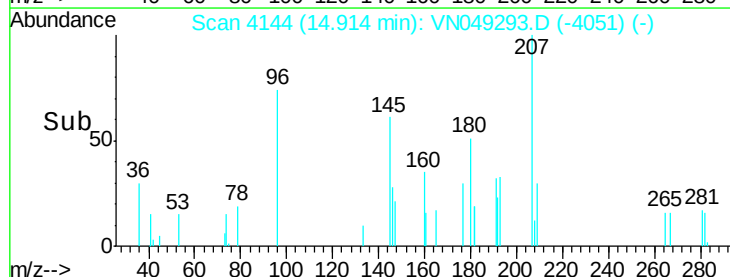
1000

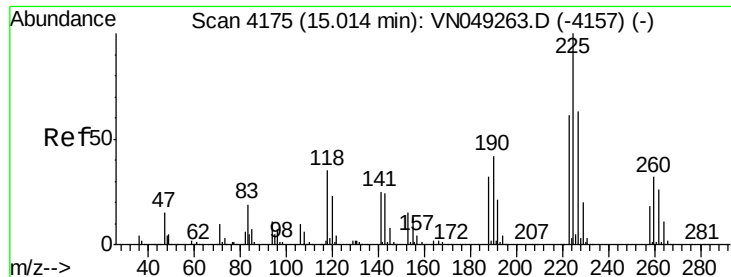
500

0

14.88 14.90 14.92 14.94

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049293.D

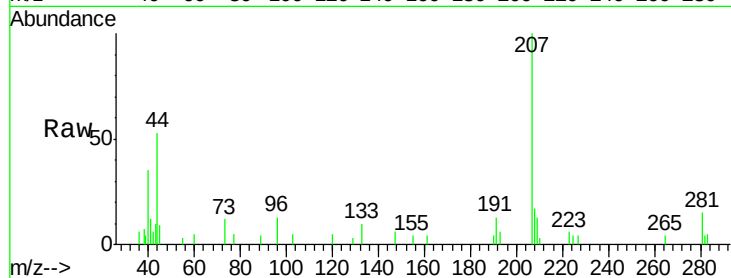
Acq: 16 Jun 2018 6:52

Instrument :

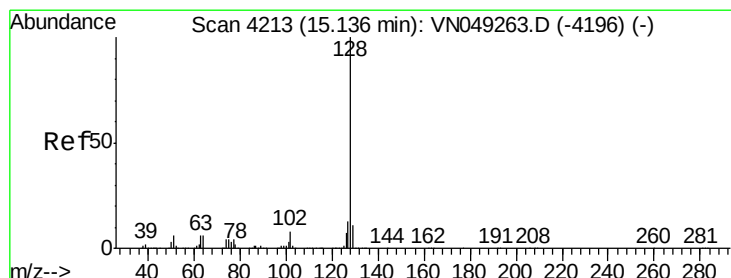
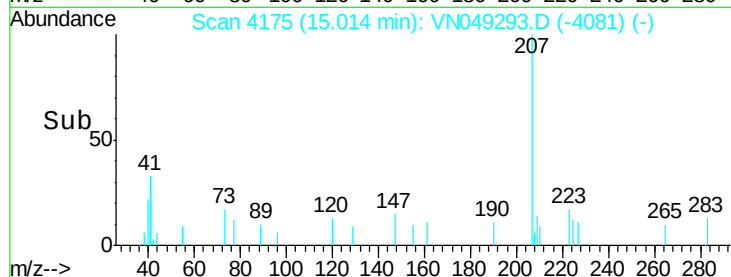
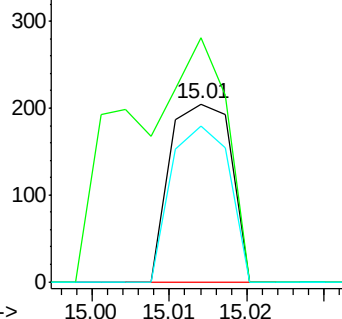
MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	113
Ion	Ratio	Lower	Upper
225	100		
223	217.7	32.1	96.3#
227	83.2	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: 4.02 ug/l

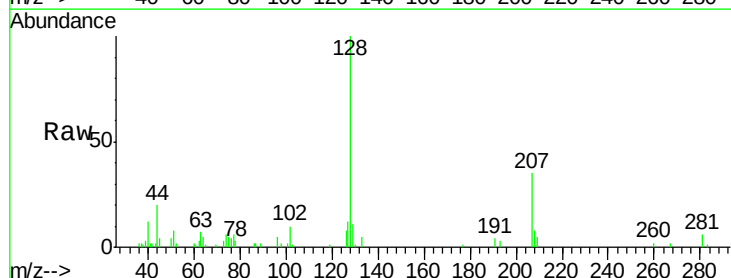
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

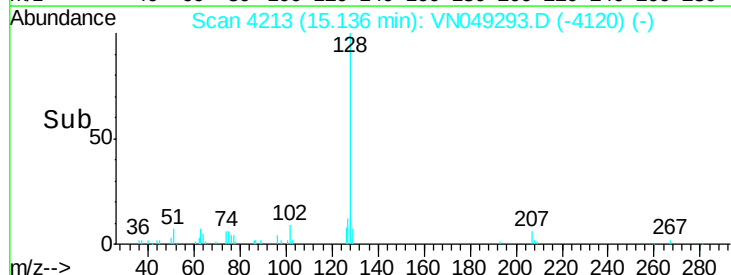
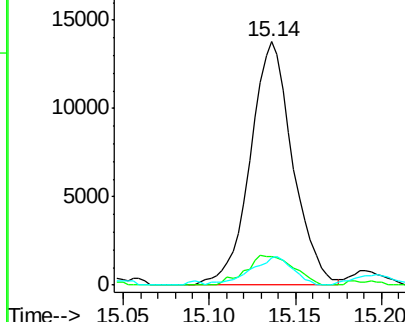
Lab File: VN049293.D

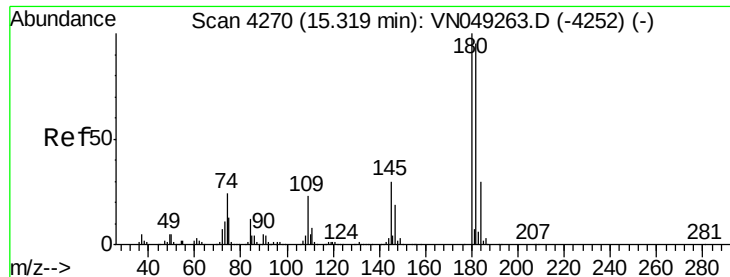
Acq: 16 Jun 2018 6:52

Tgt Ion:	128	Resp:	23539
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.6	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: 3.49 ua/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049293.D

Acq: 16 Jun 2018 6:52

Instrument :

MSVOA_N

ClientSampleId :

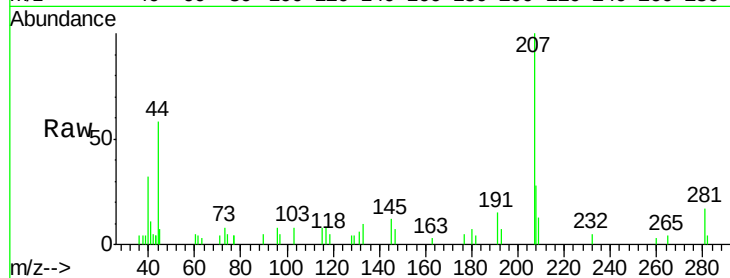
Tot Ion:180 Resp: 278

Ion Ratio Lower Upper

180 100

182 99.6 47.3 141.8

145 359.7 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

