

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049288.D
 Acq On : 16 Jun 2018 4:43
 Operator : MD\SY
 Sample : PB110255ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:11:16 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	1333580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2074138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1679634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	415994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	854361	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	7.59	113	760585	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
50) Toluene-d8	10.09	98	2897120	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	
62) 4-Bromofluorobenzene	12.41	95	649356	30.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.48%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	5424	0.27	ug/l	94
5) Bromomethane	2.57	94	10271	0.93	ug/l	99
13) Acrolein	3.60	56	418	0.38	ug/l #	1
15) Acrylonitrile	5.00	53	2714	0.52	ug/l #	56
16) Acetone	3.82	43	43334	10.09	ug/l	98
17) Carbon Disulfide	4.05	76	16464	0.34	ug/l	98
18) Methyl Acetate	4.33	43	89441	6.83	ug/l	95
20) Methylene Chloride	4.56	84	27727	1.55	ug/l	88
25) 2-Butanone	6.86	43	8995	1.56	ug/l #	88
29) Tetrahydrofuran	7.22	42	2647	0.71	ug/l #	69
31) Cyclohexane	7.66	56	25551	0.80	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	94513	3.98	ug/l #	45
37) Ethyl Acetate	6.86	43	8995	0.70	ug/l #	74
38) Carbon Tetrachloride	7.67	117	120690	4.90	ug/l #	17
43) Isopropyl Acetate	8.25	43	137636	5.57	ug/l #	64
49) 1,4-Dioxane	9.21	88	296	1.84	ug/l #	57
51) 4-Methyl-2-Pentanone	9.99	43	8481	0.66	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.69	63	113	14.34	ug/l #	51
59) 2-Hexanone	10.76	43	6123	0.73	ug/l	86
65) Chlorobenzene	11.44	112	32863	0.76	ug/l	100
74) N-amyl acetate	12.07	43	4136	0.46	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	1125	Below Cal	#	75
76) 1,2,3-Trichloropropane	12.41	75	314911	44.37	ug/l #	100
77) Bromobenzene	12.53	156	2575	0.27	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.41	75	314911	140.22	ug/l #	8
82) 4-Chlorotoluene	12.78	91	7288	0.30	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	5820	0.20	ug/l	88
85) sec-Butylbenzene	13.17	105	7056	0.21	ug/l	100
86) p-Isopropyltoluene	13.29	119	5733	0.20	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	5906	0.37	ug/l	94
88) 1,4-Dichlorobenzene	13.29	146	5906	0.38	ug/l	95
89) n-Butylbenzene	13.62	91	8777	0.40	ug/l	93
90) Hexachloroethane	13.88	117	1378	Below Cal		77
91) 1,2-Dichlorobenzene	13.66	146	5769	0.37	ug/l	98

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

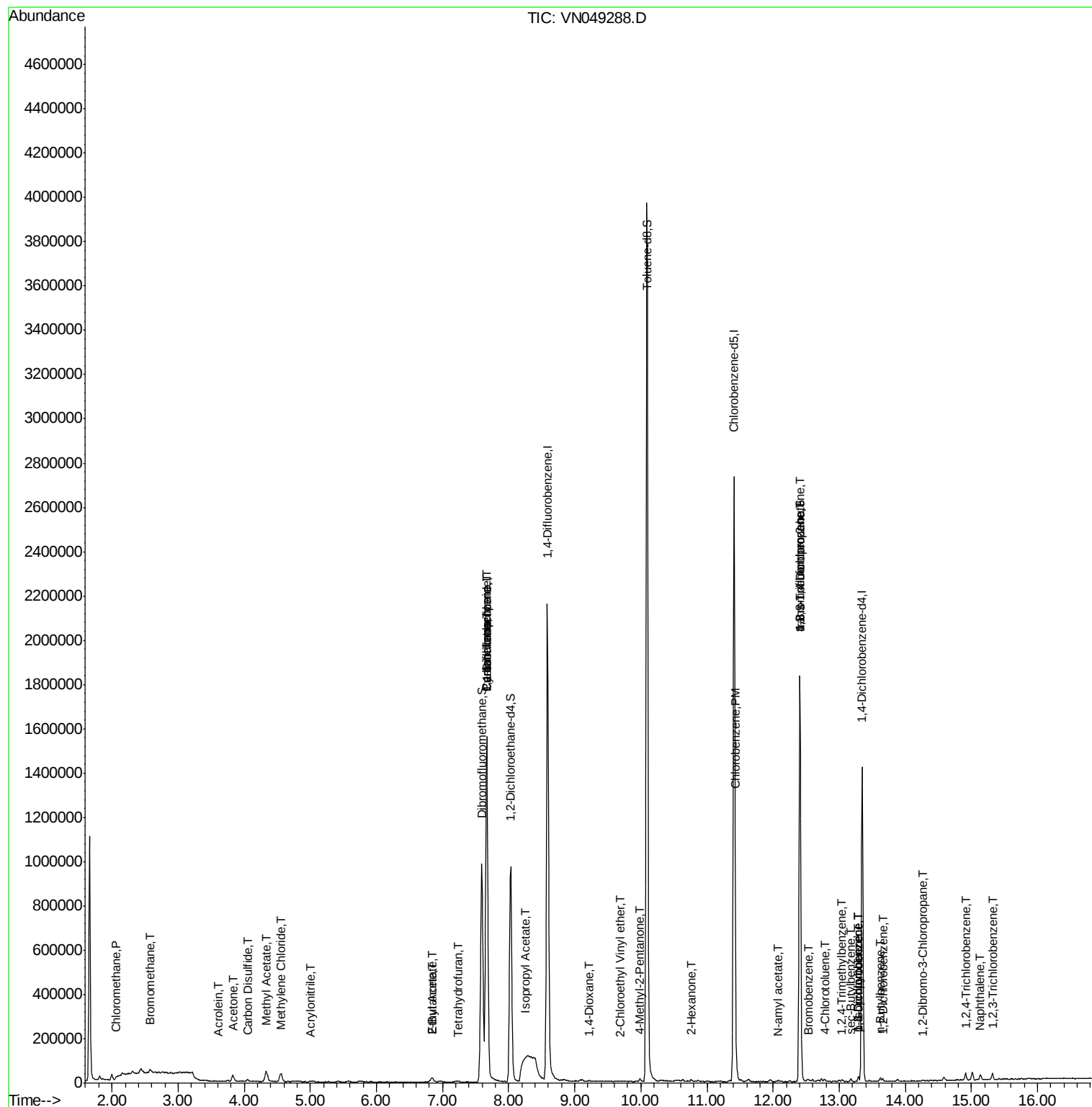
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.27	75	736	0.58	ug/l	79
93) 1,2,4-Trichlorobenzene	14.91	180	9488	5.95	ug/l	93
94) Hexachlorobutadiene	15.01	225	7797	Below Cal		94
95) Naphthalene	15.14	128	16425	3.50	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	9662	4.75	ug/l	92

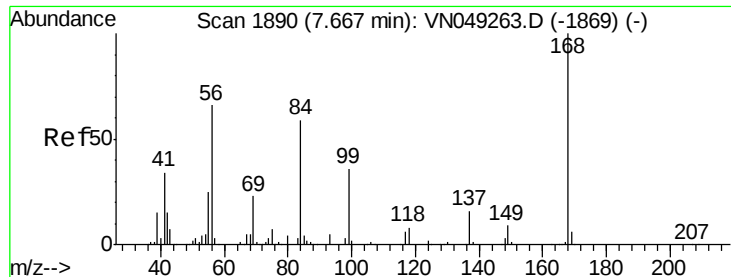
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

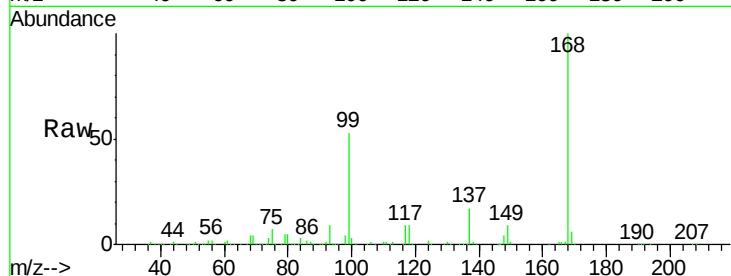
ClientSampleId :

Tot Ion:168 Resp: 1333580

Ion Ratio Lower Upper

168 100

99 52.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

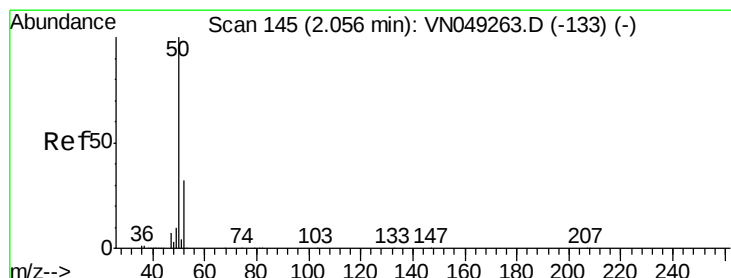
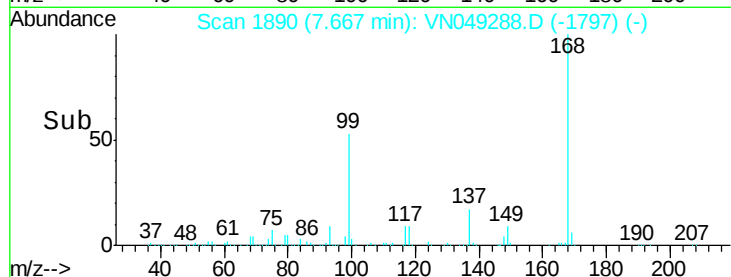
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049288.D

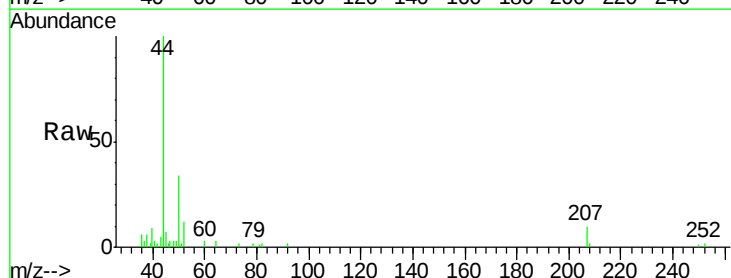
Acq: 16 Jun 2018 4:43

Tgt Ion: 50 Resp: 5424

Ion Ratio Lower Upper

50 100

52 35.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

4000

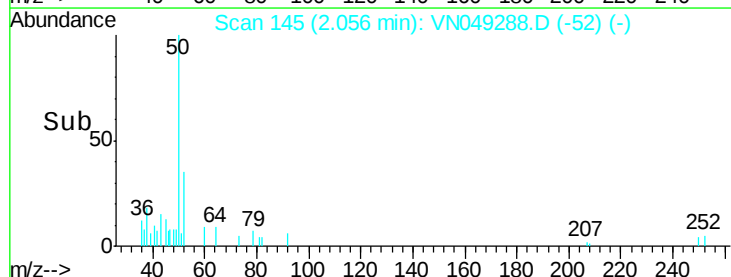
3000

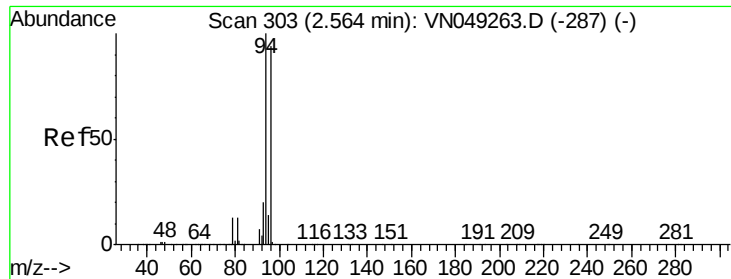
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.93 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

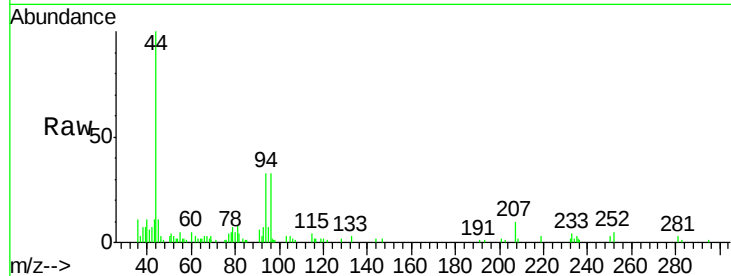
ClientSampled :

Tot Ion: 94 Resp: 10271

Ion Ratio Lower Upper

94 100

96 91.6 72.8 109.2

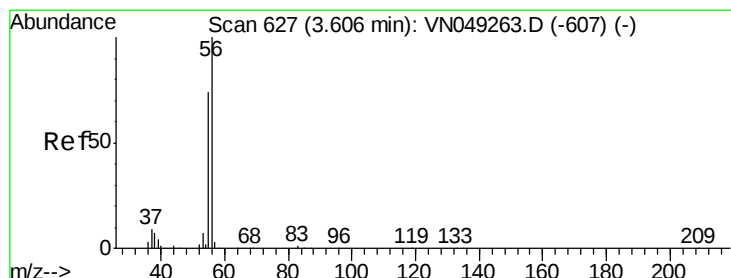
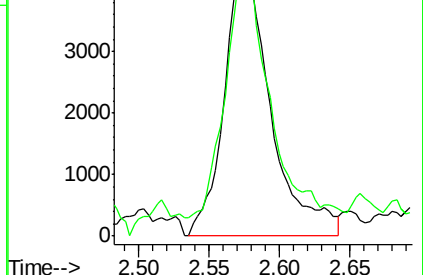
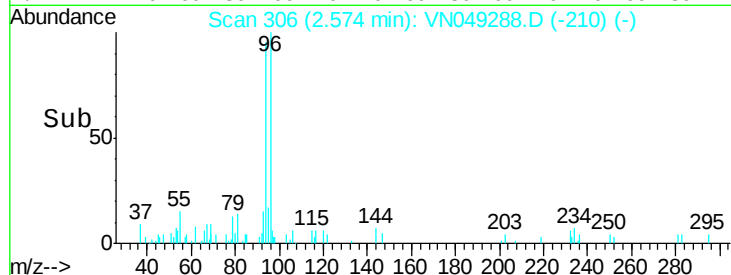


Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049263.D (-287) (-)

2.57

Time-->



#13

Acrolein

Concen: 0.38 ug/l

RT: 3.60 min Scan# 624

Delta R.T. -0.01 min

Lab File: VN049288.D

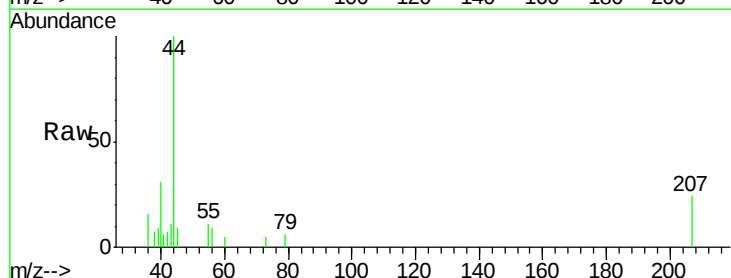
Acq: 16 Jun 2018 4:43

Tgt Ion: 56 Resp: 418

Ion Ratio Lower Upper

56 100

55 191.9 57.1 85.7#

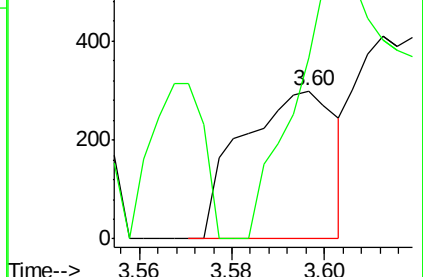
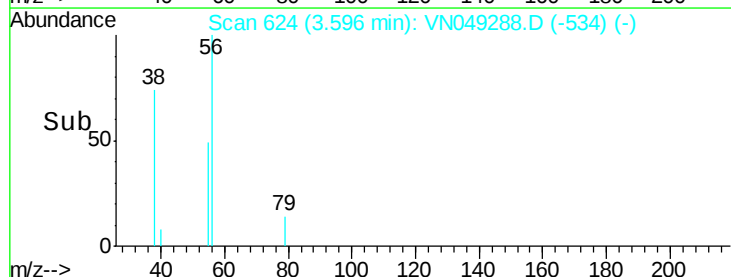


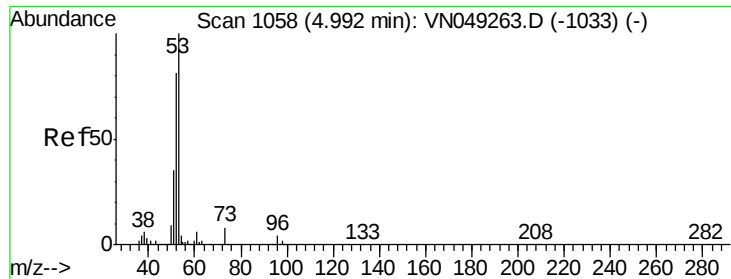
Abundance Ion 56.00 (55.70 to 56.70): VN049263.D (-607) (-)

Ion 55.00 (54.70 to 55.70): VN049263.D (-607) (-)

3.60

Time-->

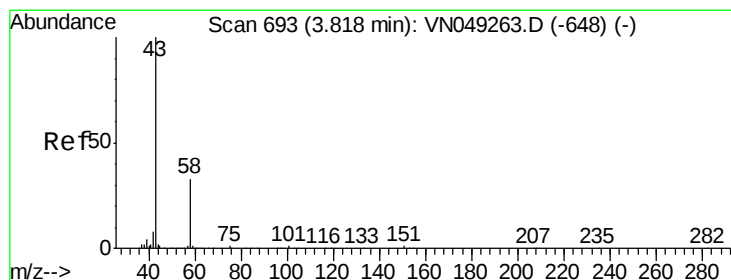
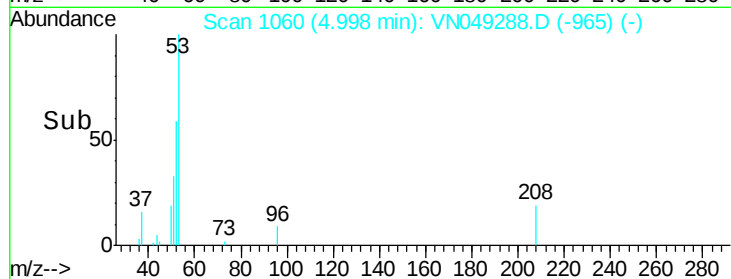
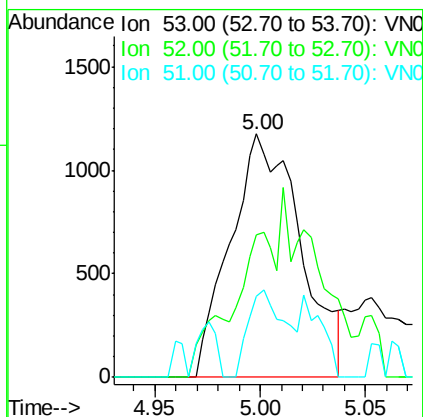
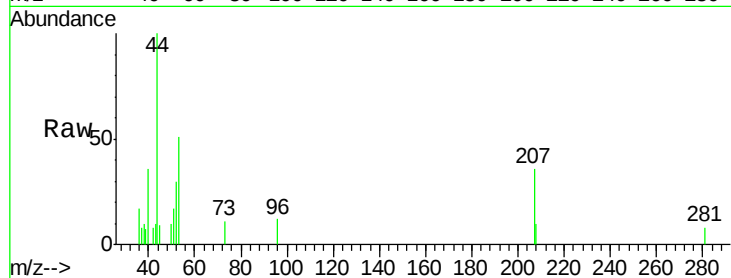




#15
 Acrylonitrile
 Concen: 0.52 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

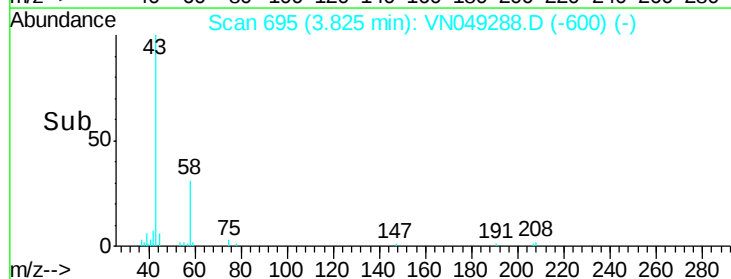
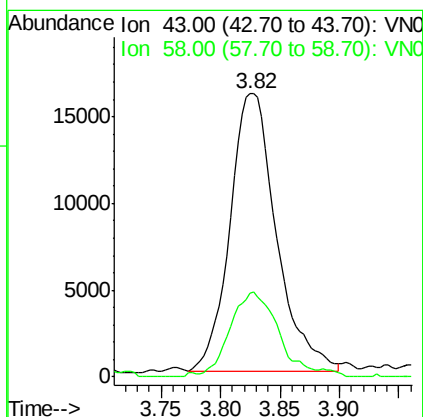
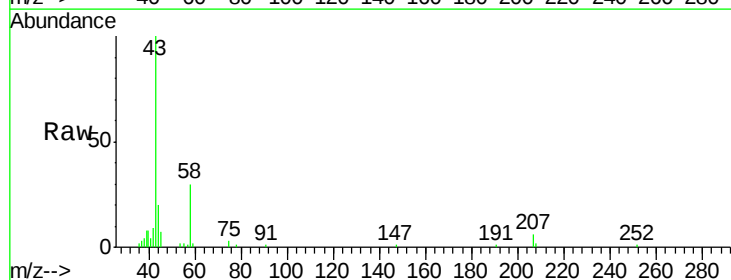
Instrument :
 MSVOA_N
 ClientSampled :

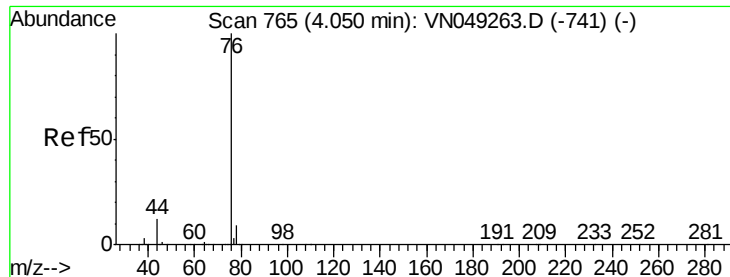
Tot Ion: 53 Resp: 2714
 Ion Ratio Lower Upper
 53 100
 52 38.2 66.6 100.0#
 51 18.9 29.8 44.8#



#16
 Acetone
 Concen: 10.09 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

Tgt Ion: 43 Resp: 43334
 Ion Ratio Lower Upper
 43 100
 58 29.0 22.4 33.6





#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

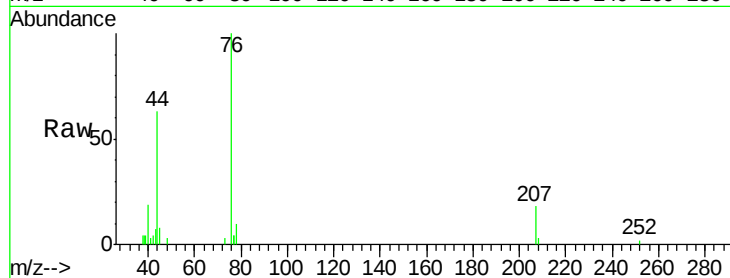
ClientSampled :

Tot Ion: 76 Resp: 16464

Ion Ratio Lower Upper

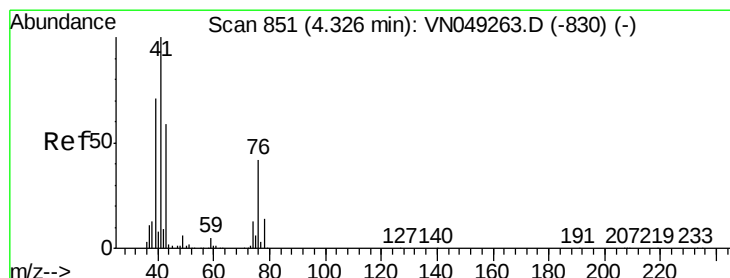
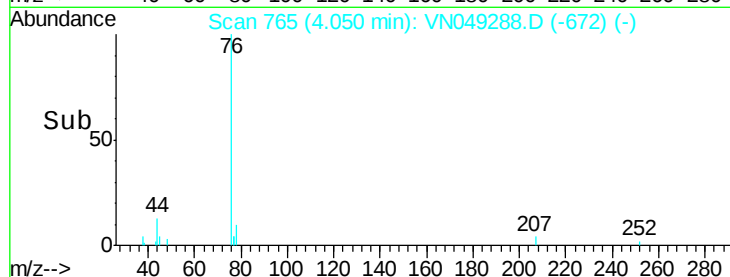
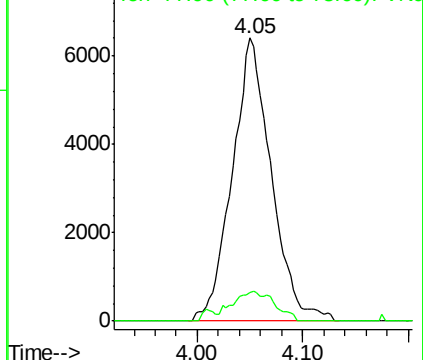
76 100

78 10.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 6.83 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049288.D

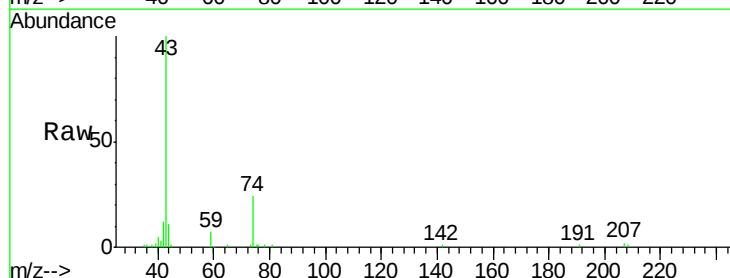
Acq: 16 Jun 2018 4:43

Tgt Ion: 43 Resp: 89441

Ion Ratio Lower Upper

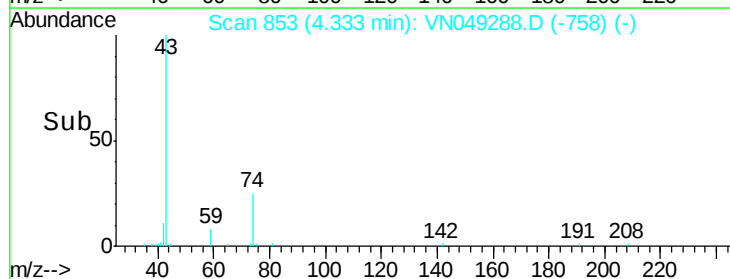
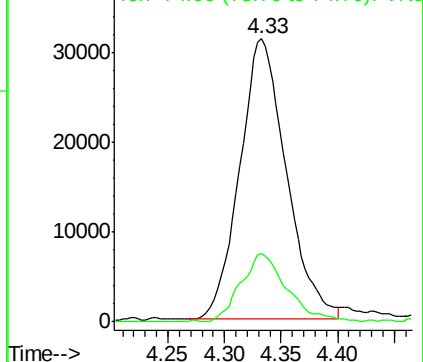
43 100

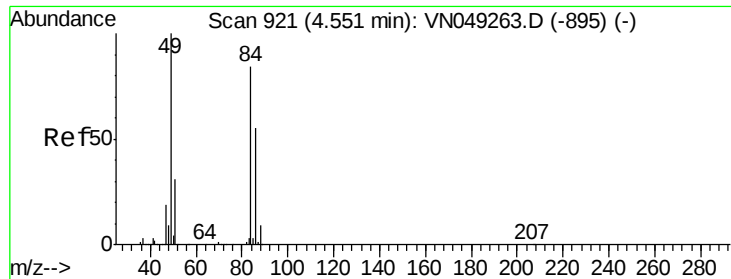
74 24.2 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

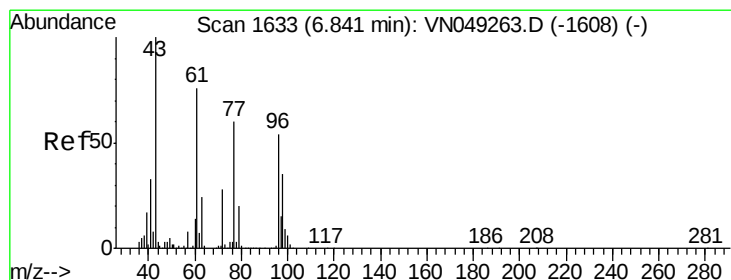
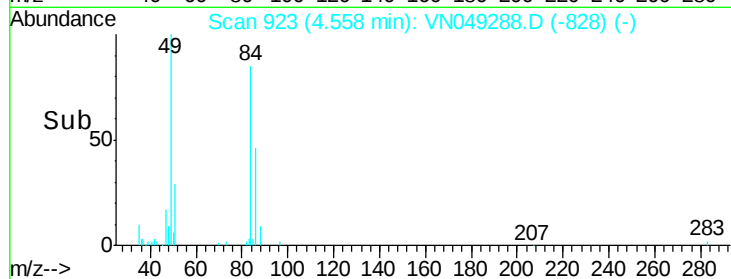
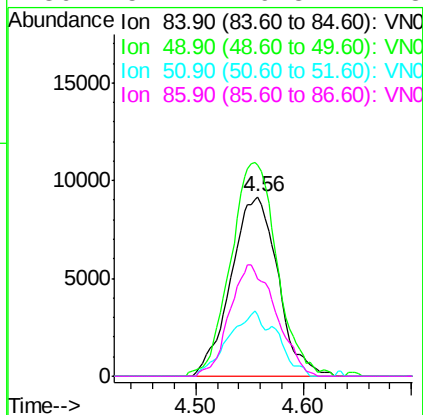
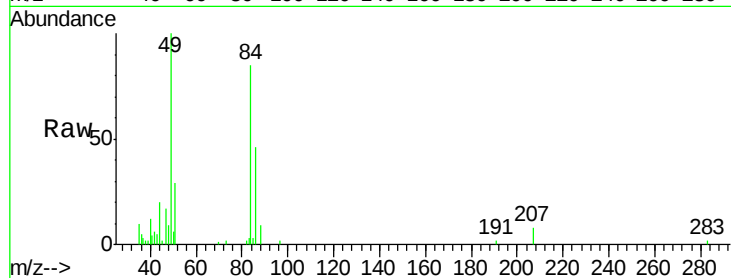




#20
Methvlene Chloride
Concen: 1.55 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

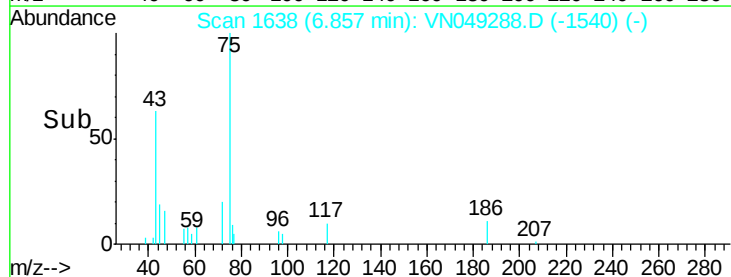
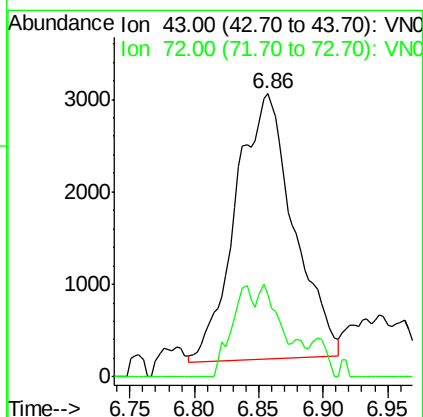
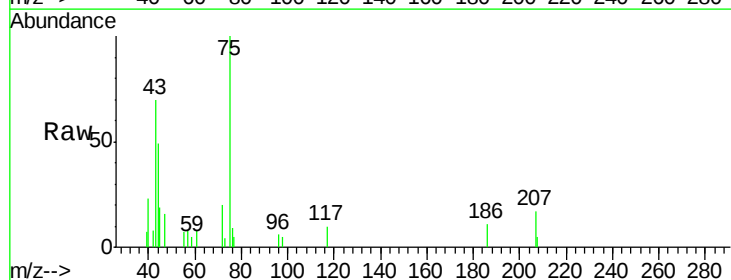
Instrument :
MSVOA_N
ClientSampleId :

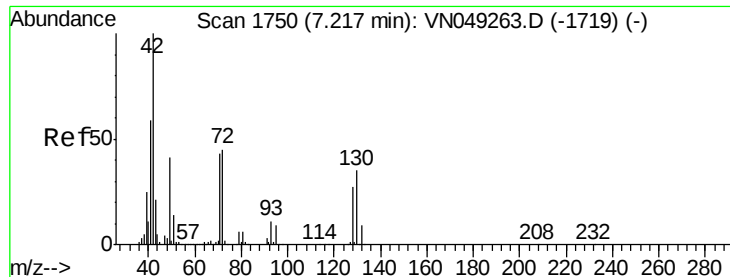
Tot Ion: 84 Resp: 27727
Ion Ratio Lower Upper
84 100
49 118.0 106.9 160.3
51 34.4 32.7 49.1
86 54.2 49.8 74.8



#25
2-Butanone
Concen: 1.56 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

Tgt Ion: 43 Resp: 8995
Ion Ratio Lower Upper
43 100
72 31.3 20.2 30.2#

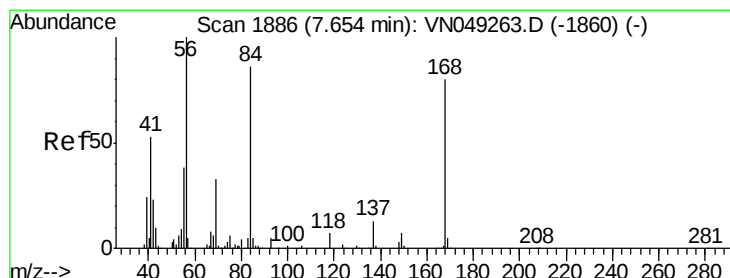
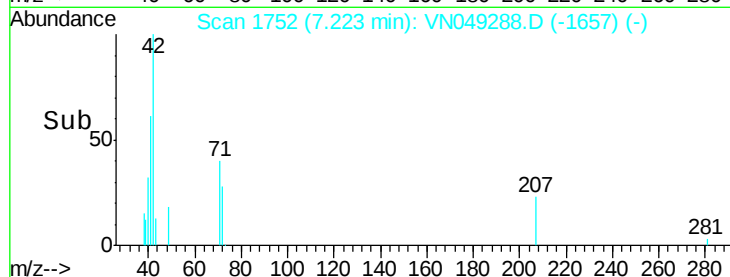
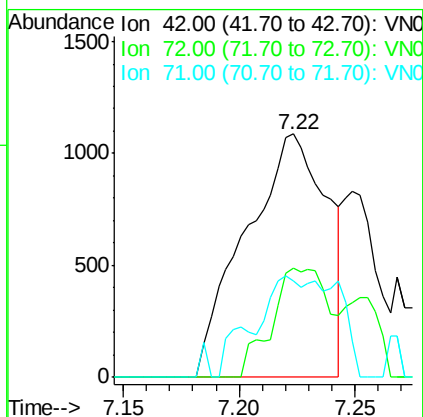
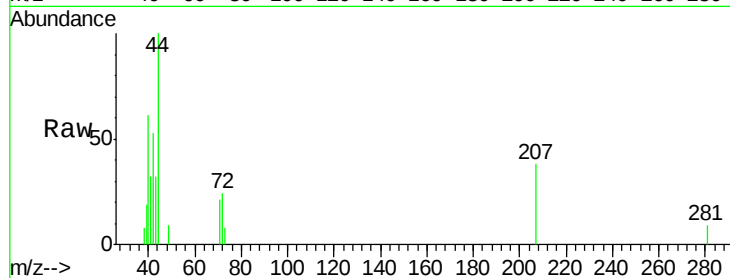




#29
Tetrahydrofuran
Concen: 0.71 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

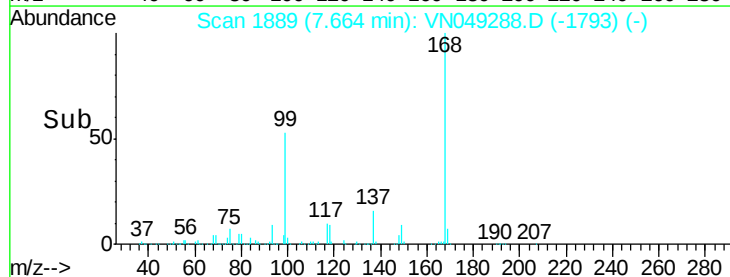
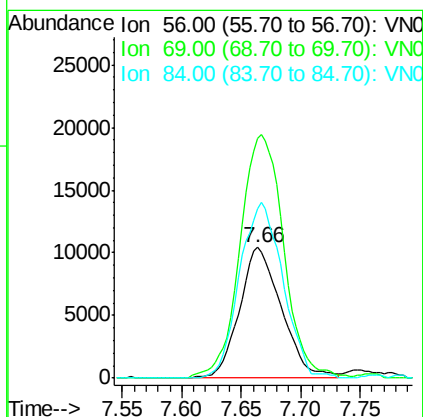
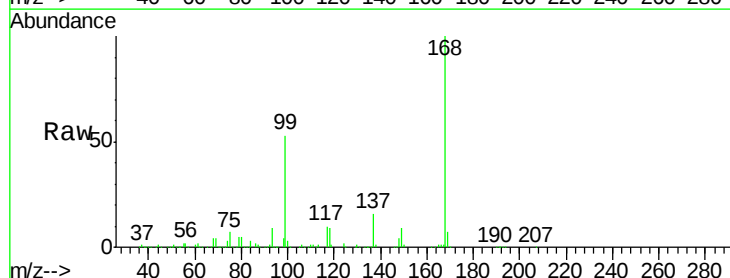
Instrument :
MSVOA_N
ClientSampled :

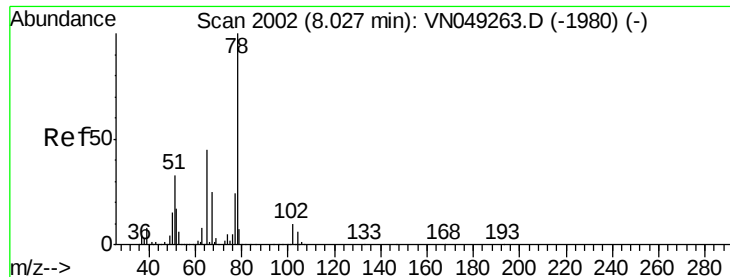
Tot Ion: 42 Resp: 2647
Ion Ratio Lower Upper
42 100
72 31.4 32.2 48.4#
71 8.7 30.5 45.7#



#31
Cyclohexane
Concen: 0.80 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

Tgt Ion: 56 Resp: 25551
Ion Ratio Lower Upper
56 100
69 183.4 25.0 37.4#
84 129.7 64.6 96.8#





#33

1,2-Dichloroethane-d4

Concen: 48.30 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

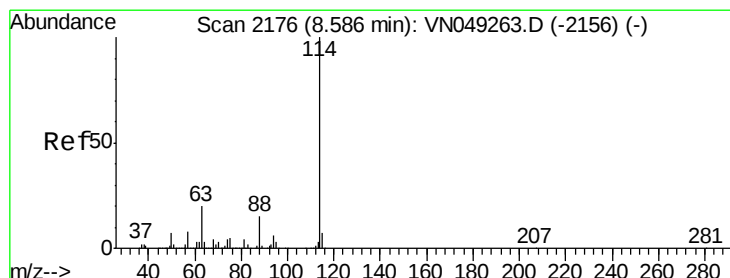
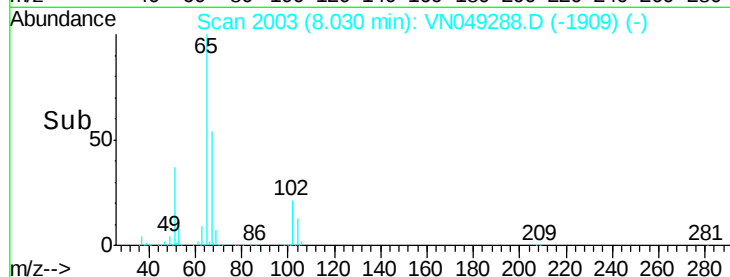
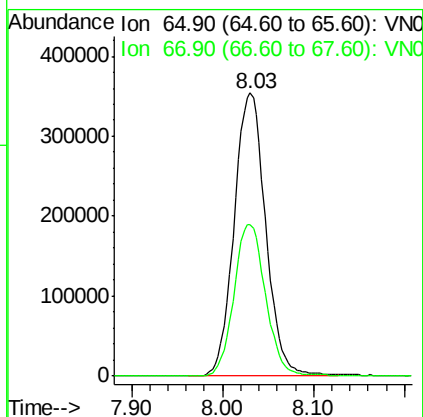
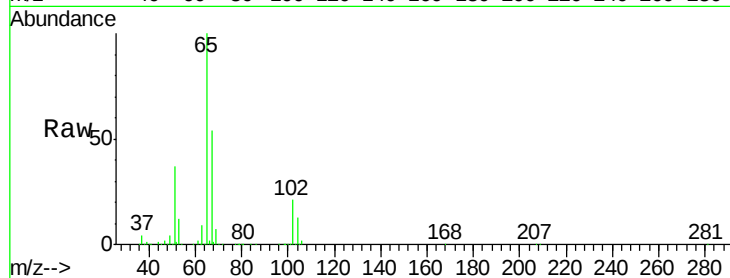
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 854361

Ion Ratio Lower Upper

65 100

67 53.9 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

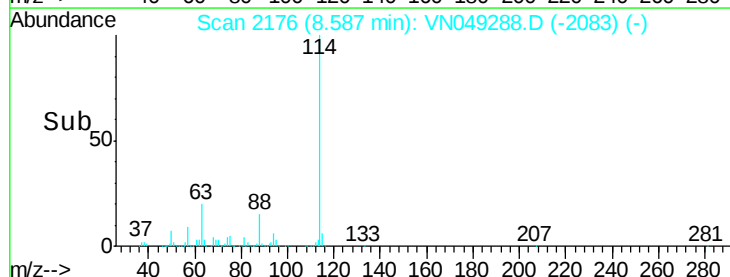
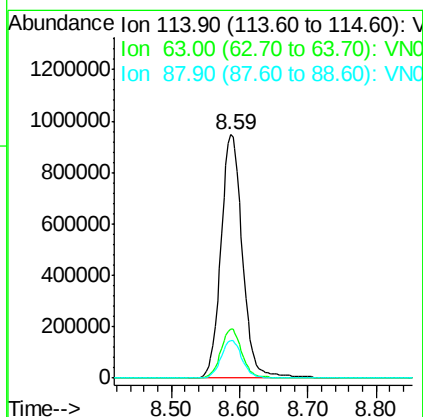
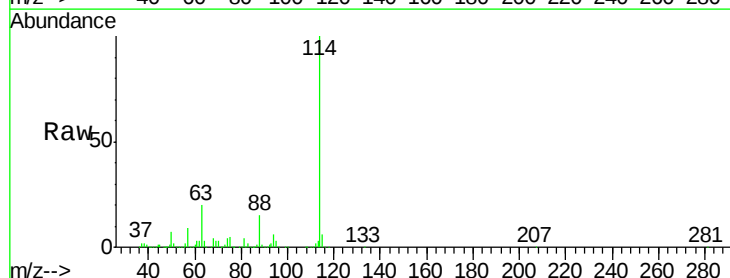
Tgt Ion: 114 Resp: 2074138

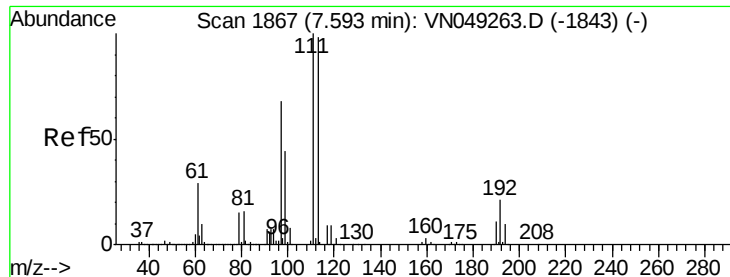
Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.4

88 15.3 0.0 31.4

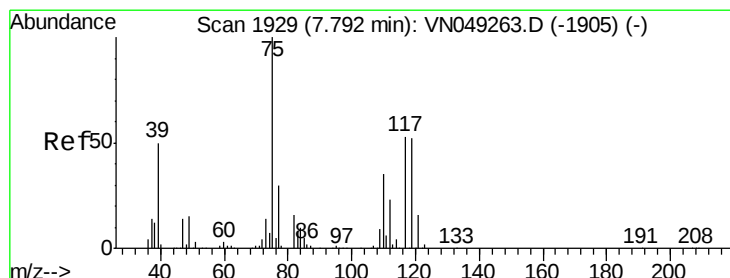
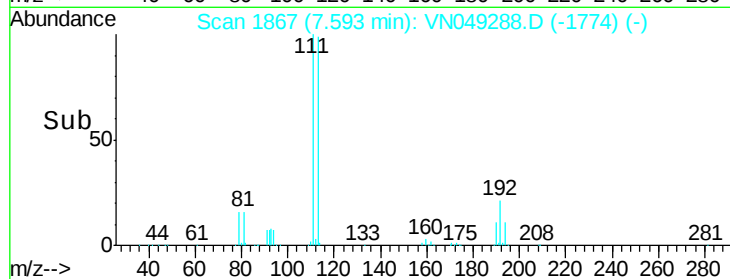
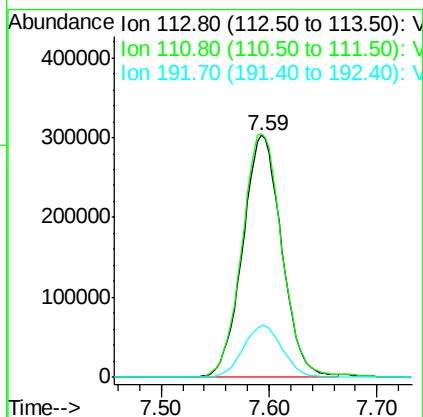
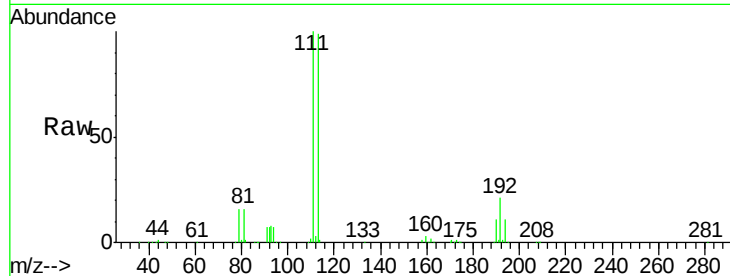




#35
 Dibromofluoromethane
 Concen: 45.33 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

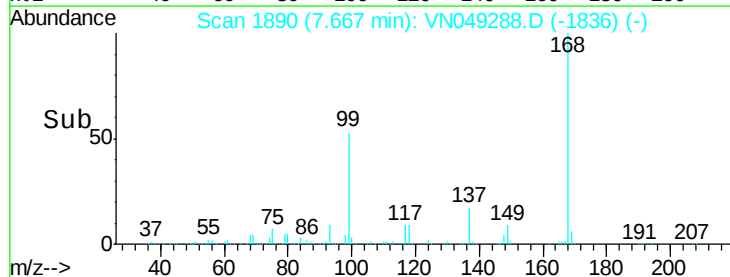
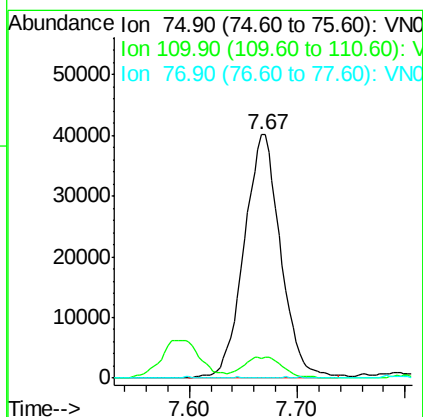
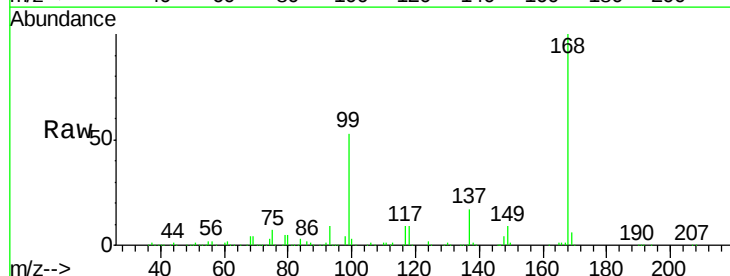
Instrument :
 MSVOA_N
 ClientSampleId :

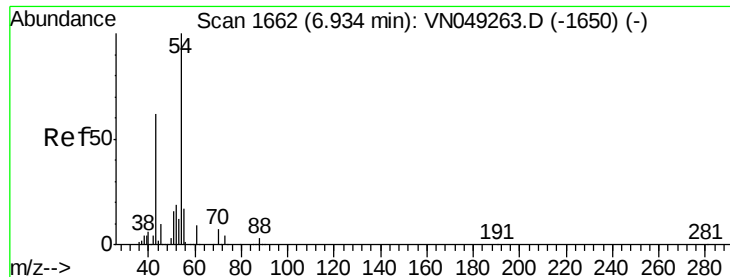
Tot Ion:113 Resp: 760585
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 21.6 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.98 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

Tgt Ion: 75 Resp: 94513
 Ion Ratio Lower Upper
 75 100
 110 3.1 17.0 50.9#
 77 0.0 24.4 36.6#

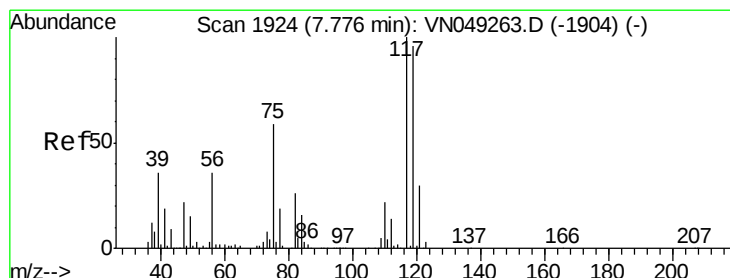
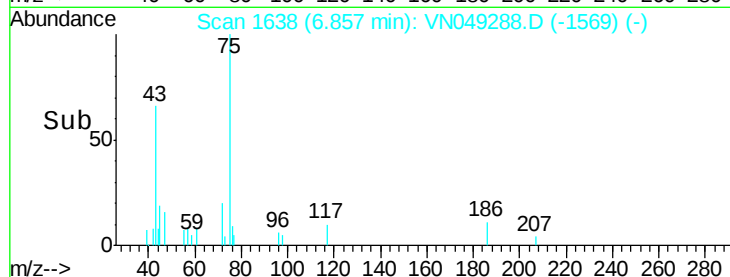
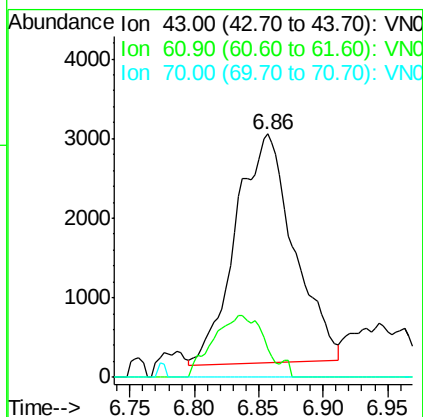
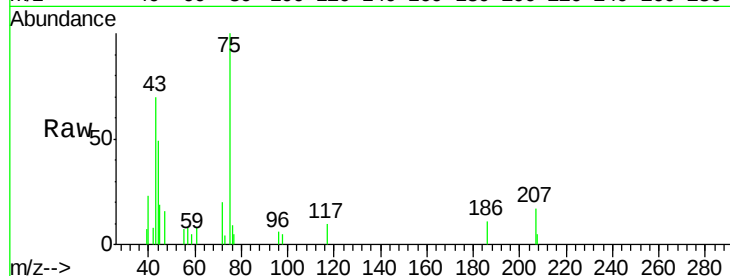




#37
Ethyl Acetate
Concen: 0.70 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. -0.08 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

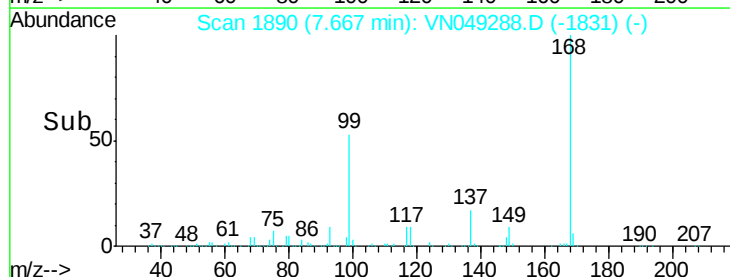
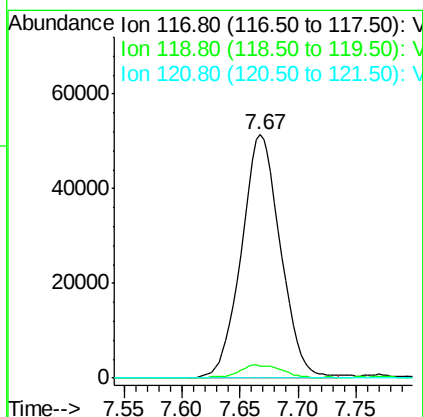
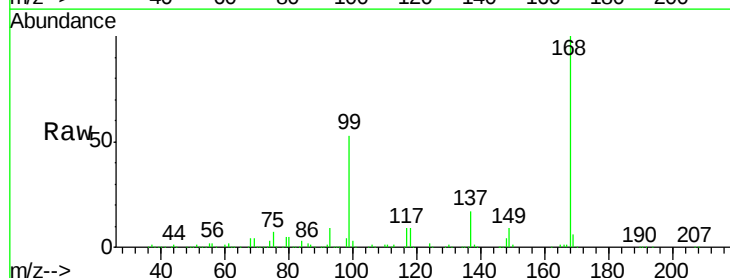
Instrument :
MSVOA_N
ClientSampleId :

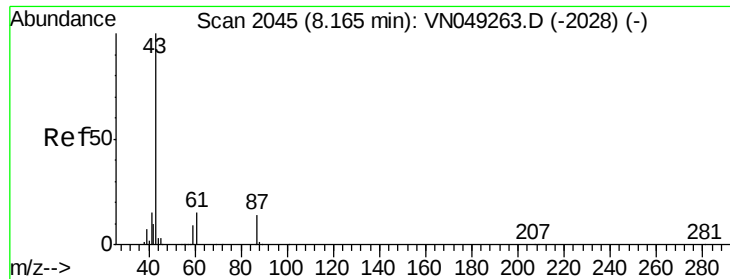
Tot Ion: 43 Resp: 8995
Ion Ratio Lower Upper
43 100
61 24.3 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.90 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

Tgt Ion: 117 Resp: 120690
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 5.57 ug/l

RT: 8.25 min Scan# 2071

Delta R.T. 0.08 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

ClientSampleId :

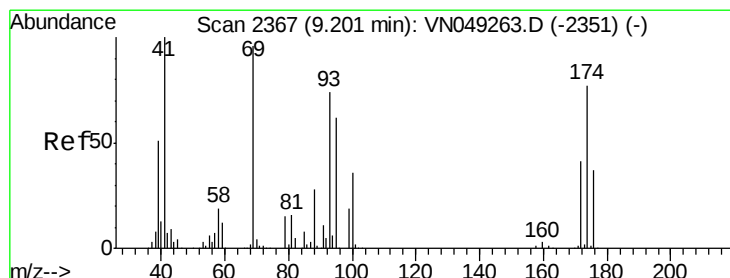
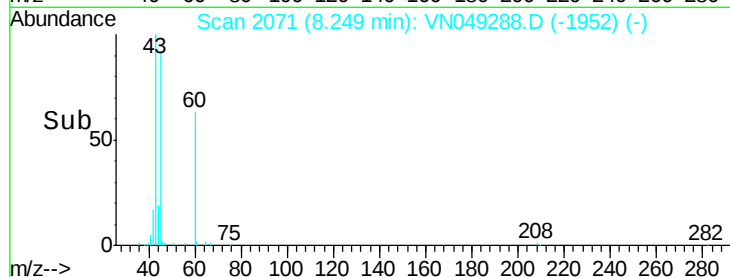
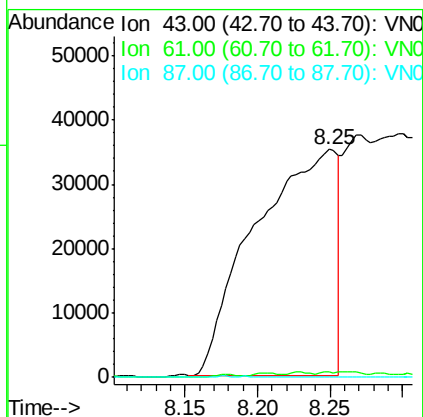
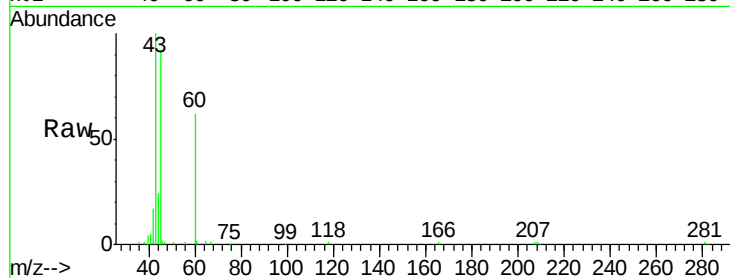
Tot Ion: 43 Resp: 137636

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: 1.84 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

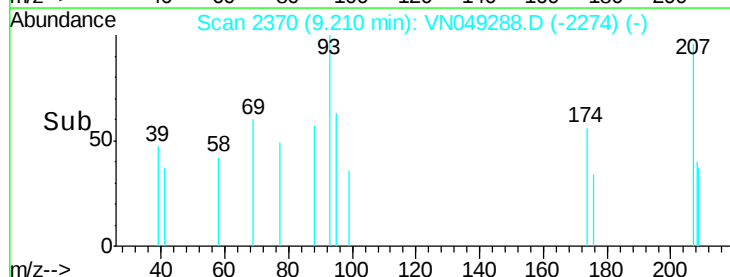
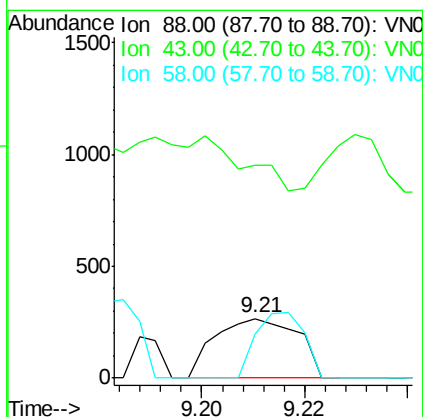
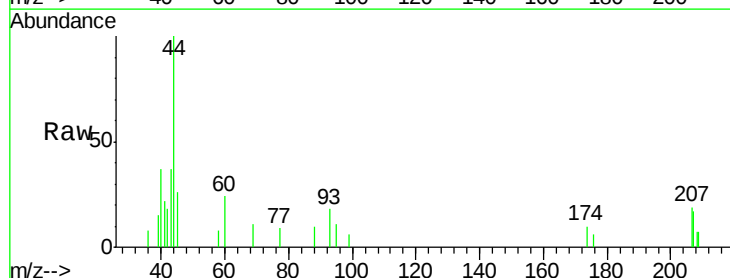
Tgt Ion: 88 Resp: 296

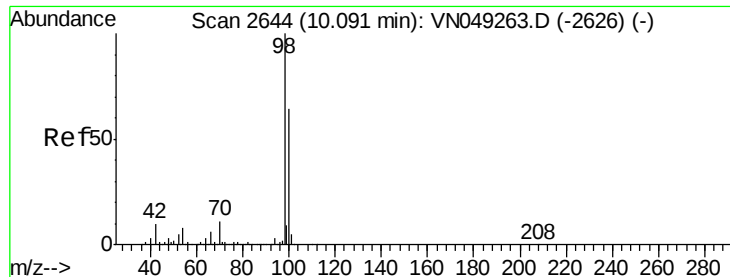
Ion Ratio Lower Upper

88 100

43 101.0 30.9 46.3#

58 63.5 58.9 88.3





#50

Toluene-d8

Concen: 45.34 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

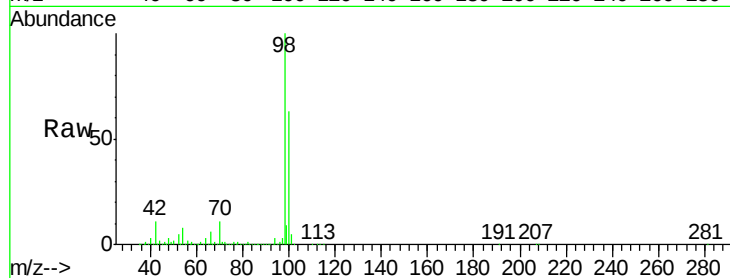
ClientSampleId :

Tot Ion: 98 Resp: 2897120

Ion Ratio Lower Upper

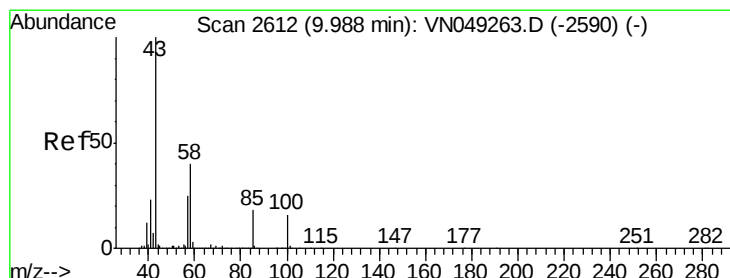
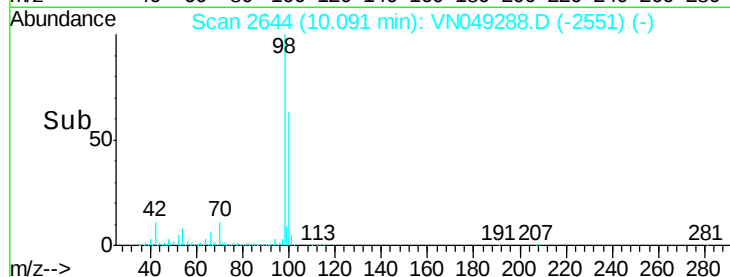
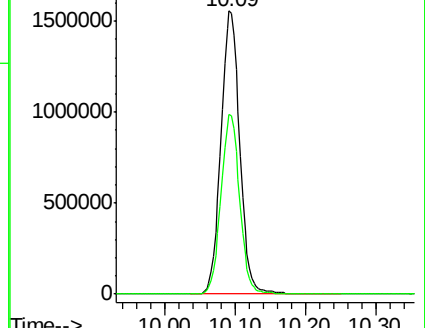
98 100

100 63.3 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: 0.66 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049288.D

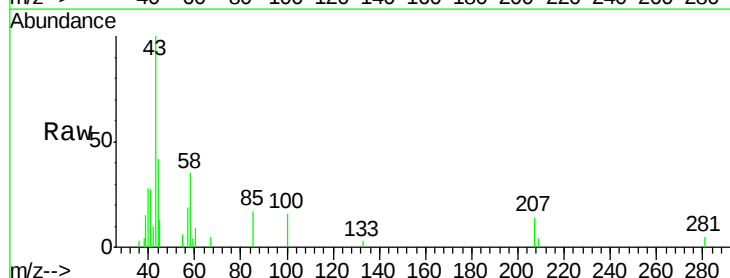
Acq: 16 Jun 2018 4:43

Tgt Ion: 43 Resp: 8481

Ion Ratio Lower Upper

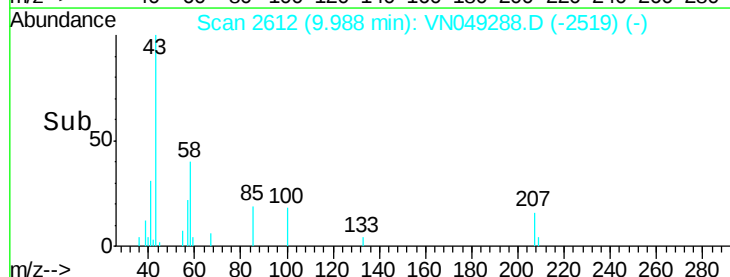
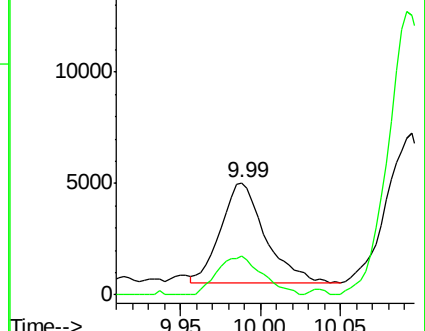
43 100

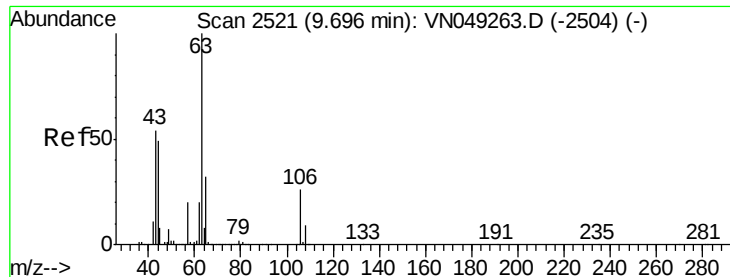
58 39.9 29.0 43.6



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: 9.69 min Scan# 2519

Delta R.T. -0.01 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

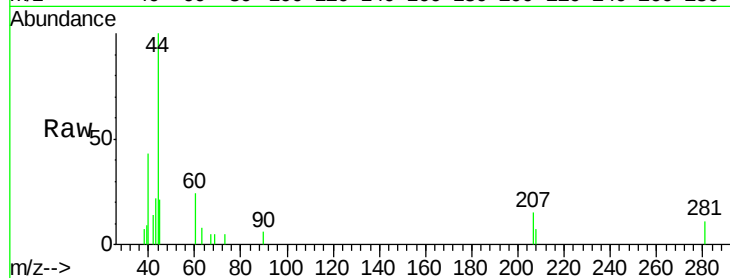
ClientSampled :

Tot Ion: 63 Resp: 113

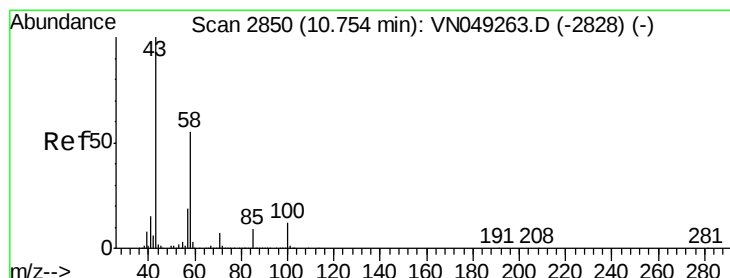
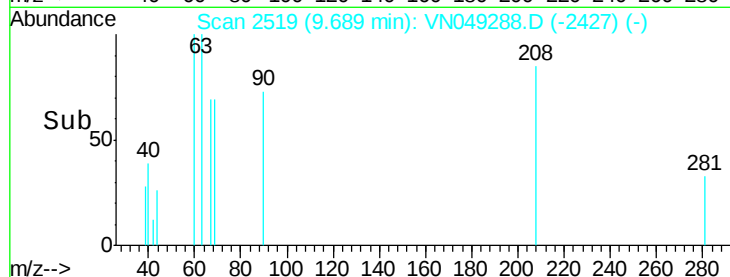
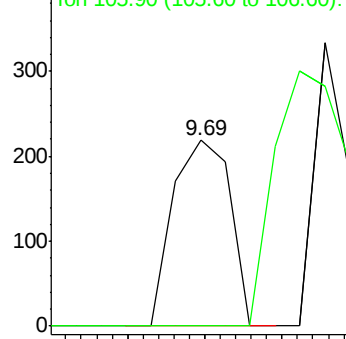
Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-2504) (-)



#59

2-Hexanone

Concen: 0.73 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049288.D

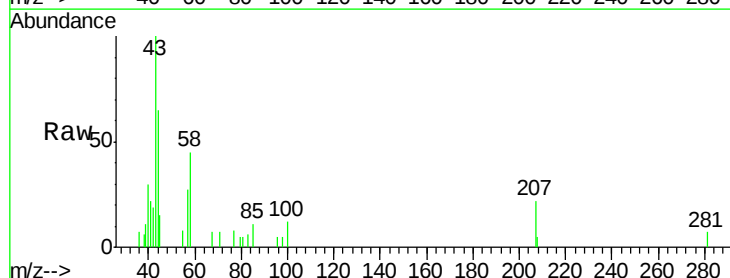
Acq: 16 Jun 2018 4:43

Tgt Ion: 43 Resp: 6123

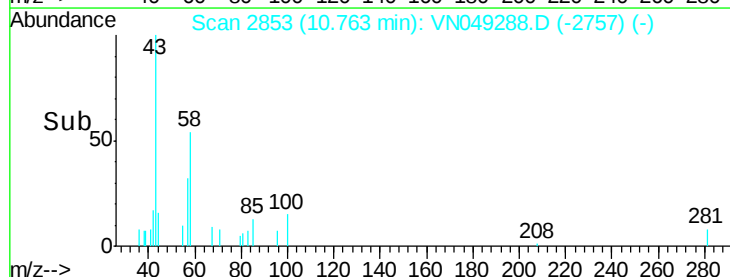
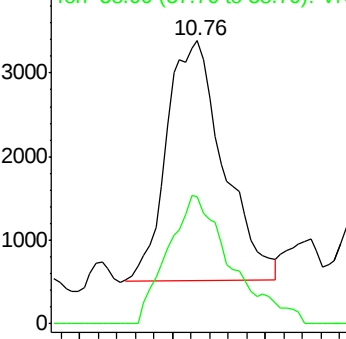
Ion Ratio Lower Upper

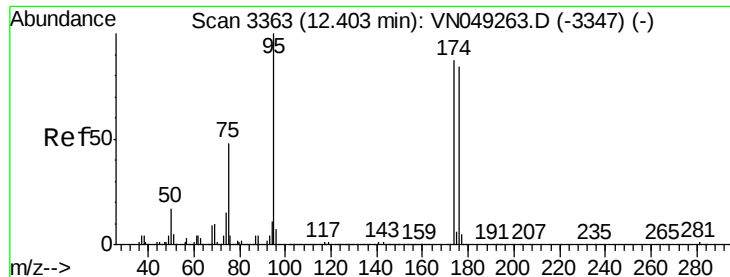
43 100

58 59.7 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2828) (-)





#62

4-Bromofluorobenzene

Concen: 30.74 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

ClientSampleId :

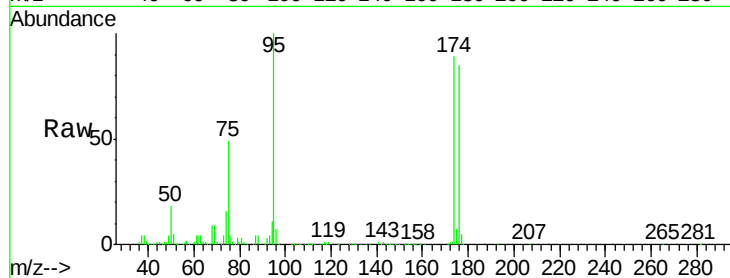
Tot Ion: 95 Resp: 649356

Ion Ratio Lower Upper

95 100

174 89.1 0.0 165.6

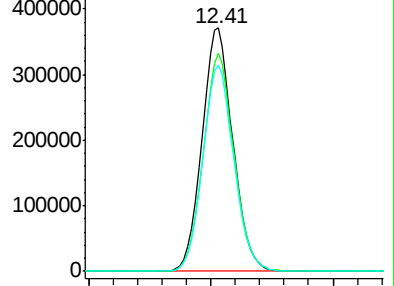
176 85.3 0.0 157.4



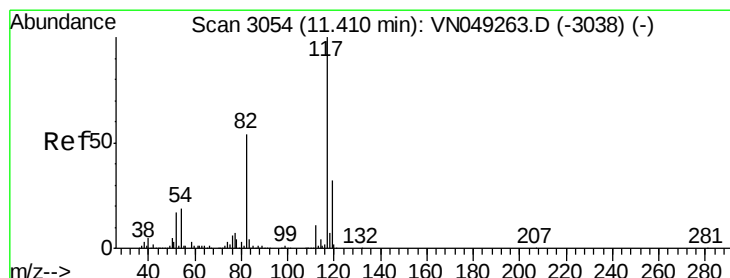
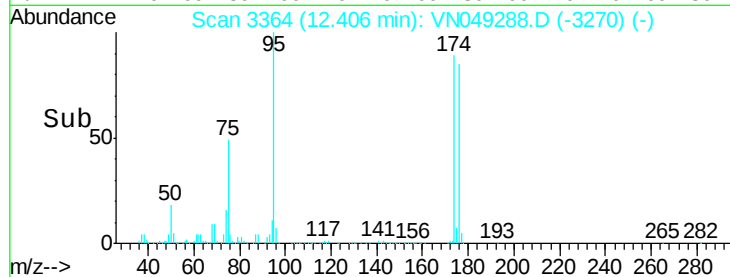
Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

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

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



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: VN049288.D

Acq: 16 Jun 2018 4:43

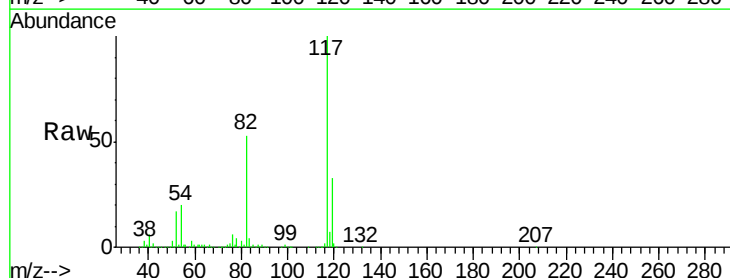
Tgt Ion: 117 Resp: 1679634

Ion Ratio Lower Upper

117 100

82 53.0 45.9 68.9

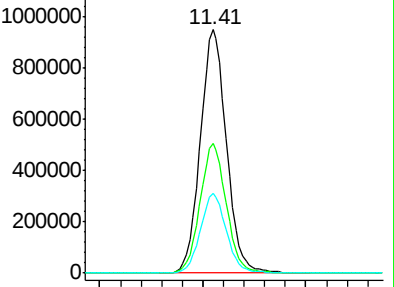
119 32.5 25.5 38.3



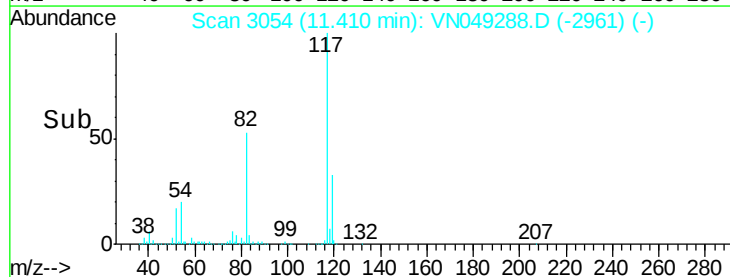
Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

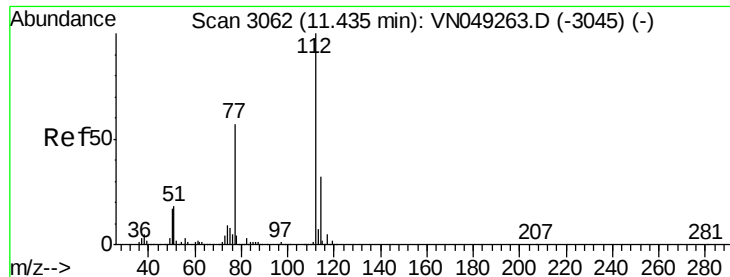
Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

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



Time--> 11.30 11.40 11.50

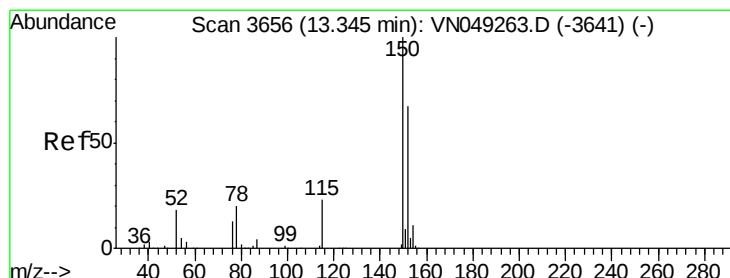
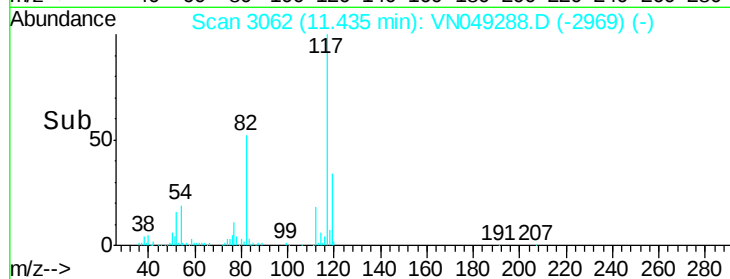
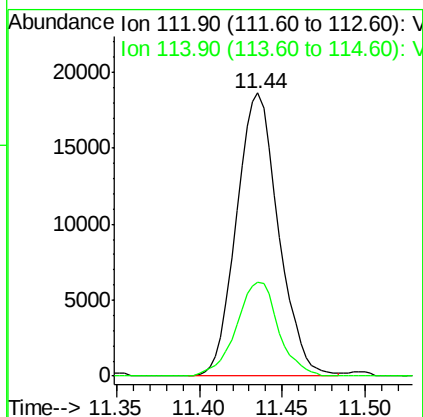
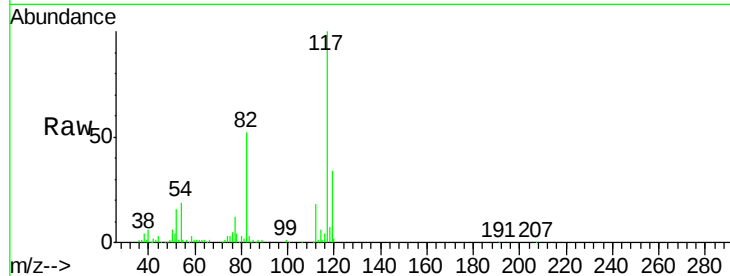




#65
Chlorobenzene
Concen: 0.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

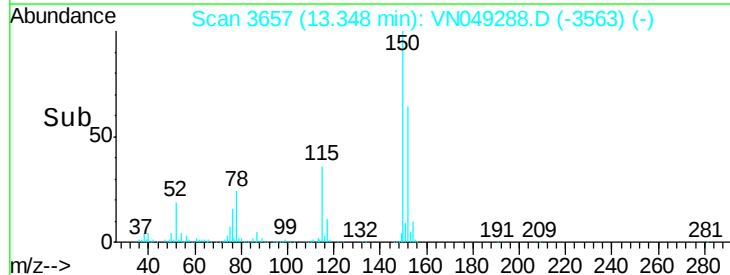
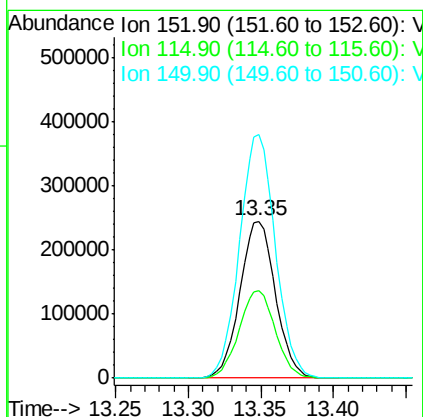
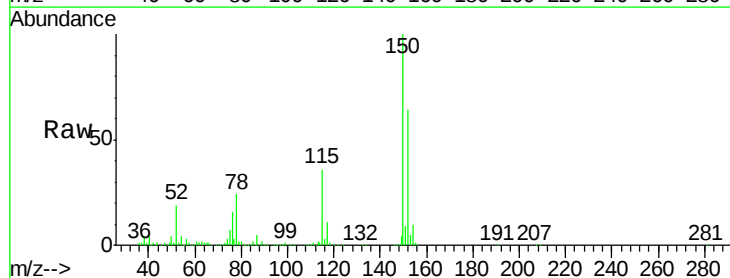
Instrument :
MSVOA_N
ClientSampled :

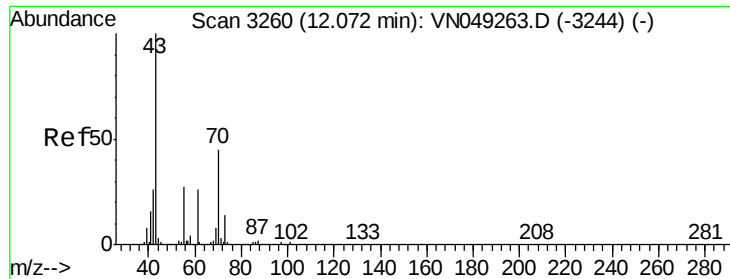
Tot Ion:112 Resp: 32863
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

Tgt Ion:152 Resp: 415994
Ion Ratio Lower Upper
152 100
115 57.0 28.7 86.1
150 156.1 0.0 351.0





#74

N-amvl acetate

Concen: 0.46 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049288.D

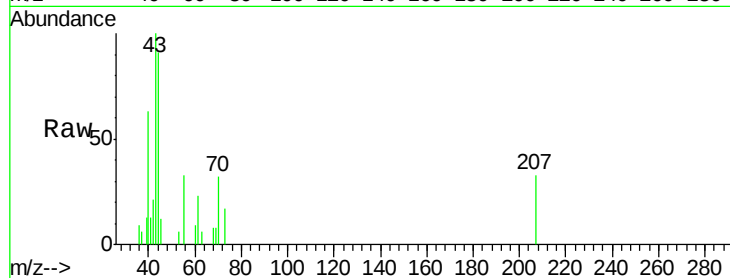
Acq: 16 Jun 2018 4:43

Instrument :

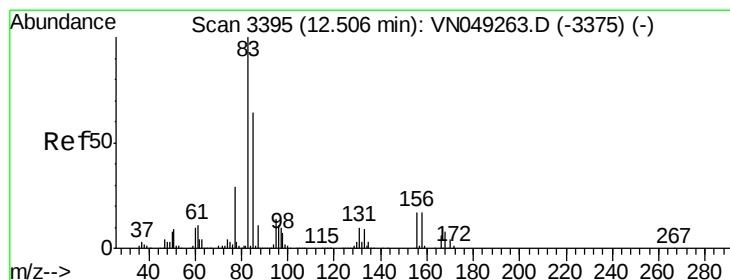
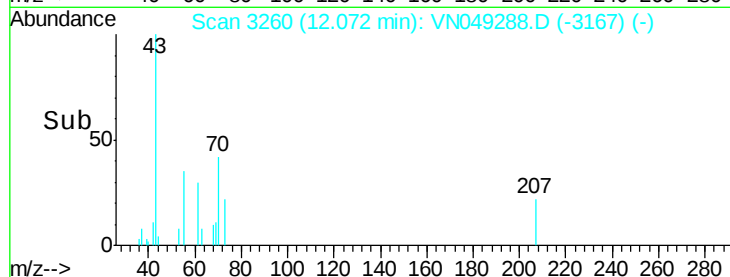
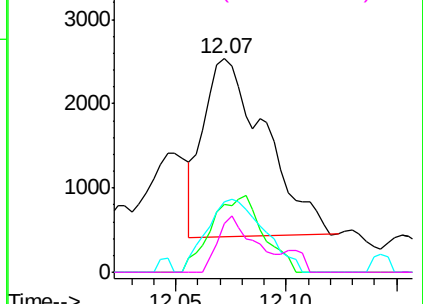
MSVOA_N

ClientSampled :

Tot Ion:	43	Resp:	4136
Ion	Ratio	Lower	Upper
43	100		
70	35.8	30.3	45.5
55	37.7	19.4	29.2#
61	17.9	17.8	26.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-3244) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

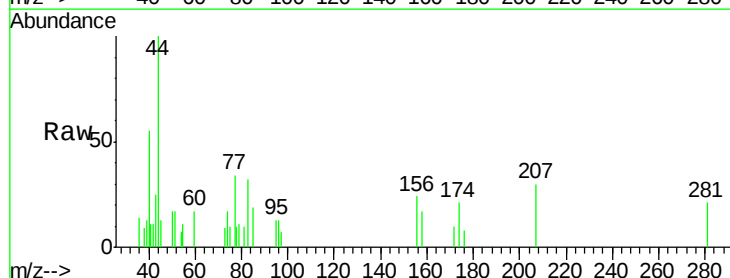
RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

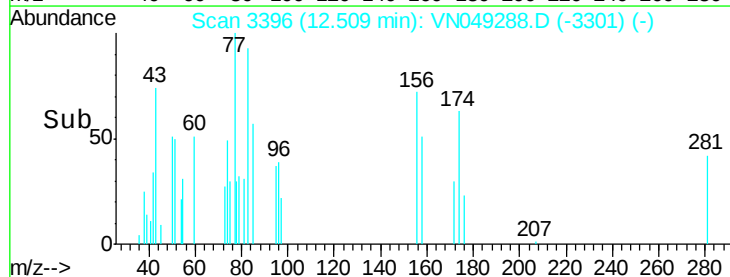
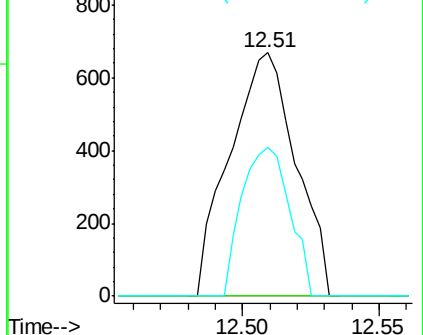
Lab File: VN049288.D

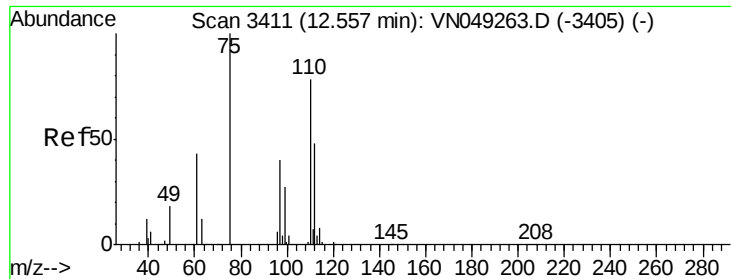
Acq: 16 Jun 2018 4:43

Tgt Ion:	83	Resp:	1125
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	44.4	32.0	96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-3375) (-)





#76

1,2,3-Trichloropropane

Concen: 44.37 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

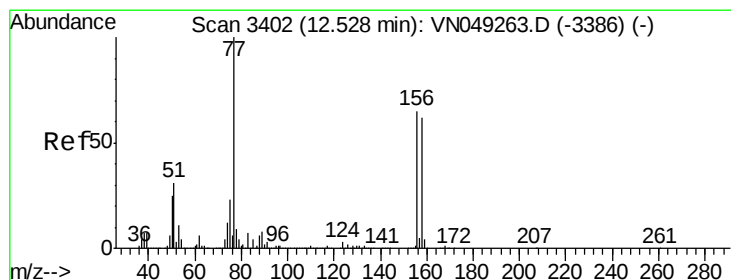
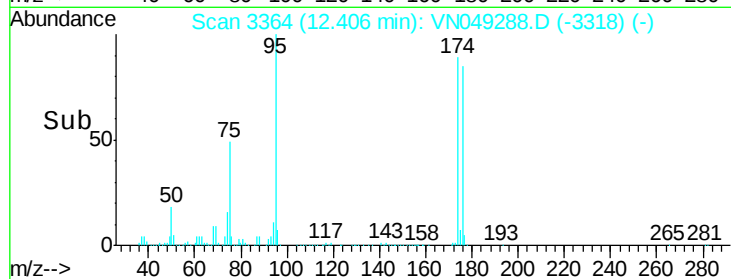
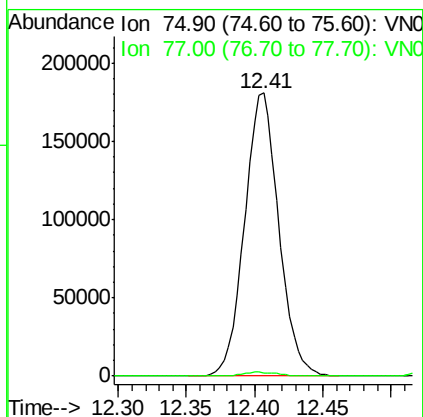
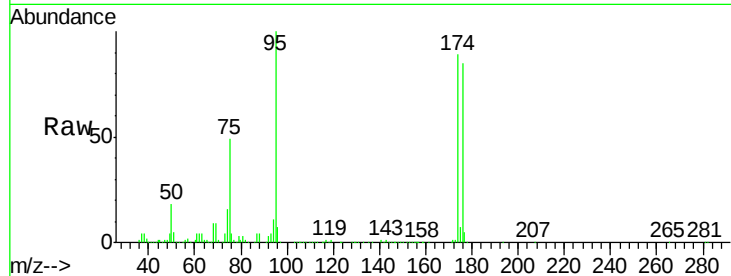
ClientSampled :

Tot Ion: 75 Resp: 314911

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#77

Bromobenzene

Concen: 0.27 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

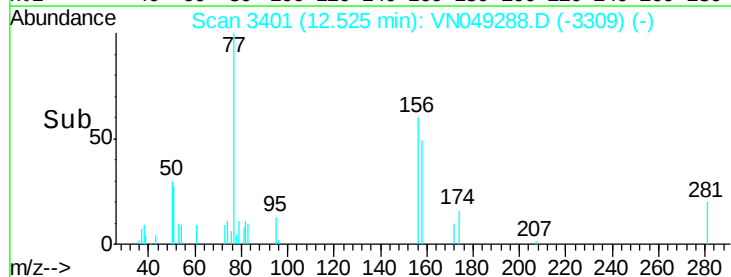
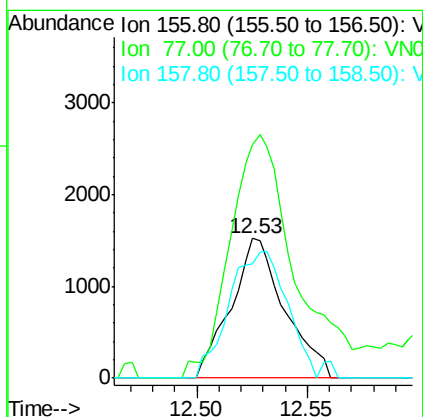
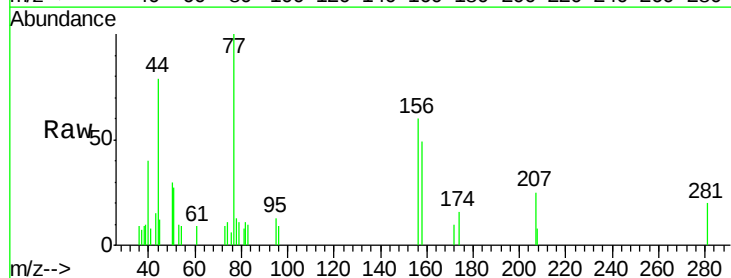
Tgt Ion: 156 Resp: 2575

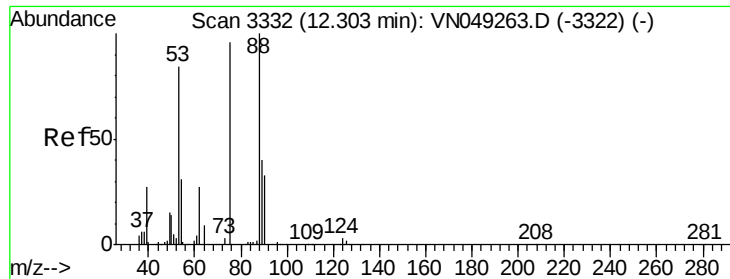
Ion Ratio Lower Upper

156 100

77 211.4 100.8 302.4

158 97.9 49.3 147.9





#81

trans-1,4-Dichloro-2-butene

Concen: 140.22 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

ClientSampled :

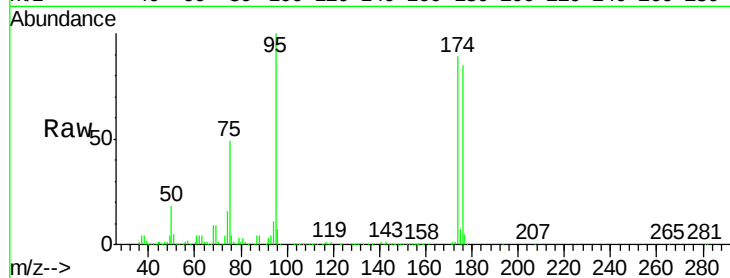
Tot Ion: 75 Resp: 314911

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

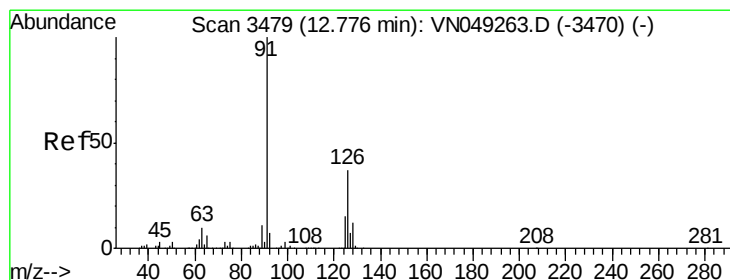
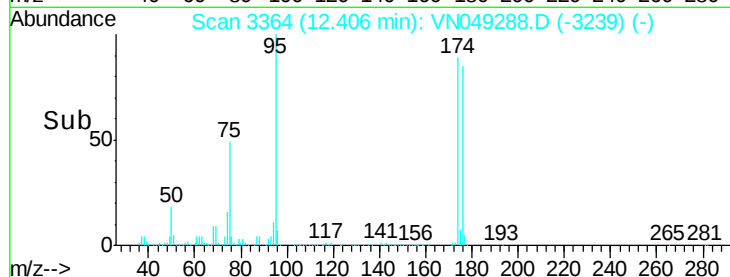
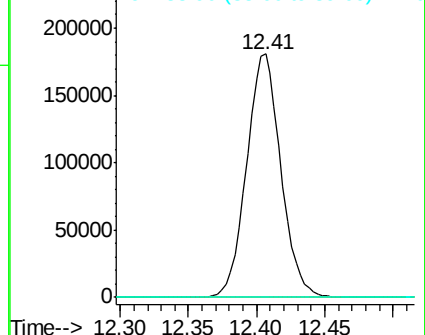
89 0.0 36.5 54.7#



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: 0.30 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049288.D

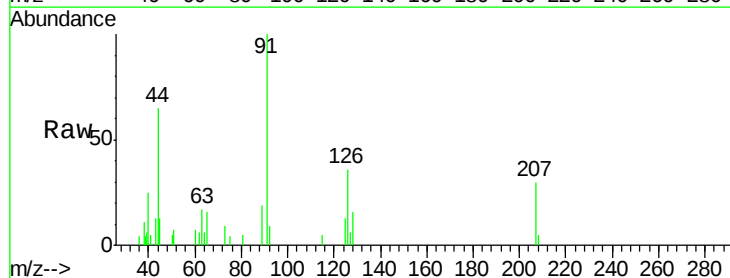
Acq: 16 Jun 2018 4:43

Tgt Ion: 91 Resp: 7288

Ion Ratio Lower Upper

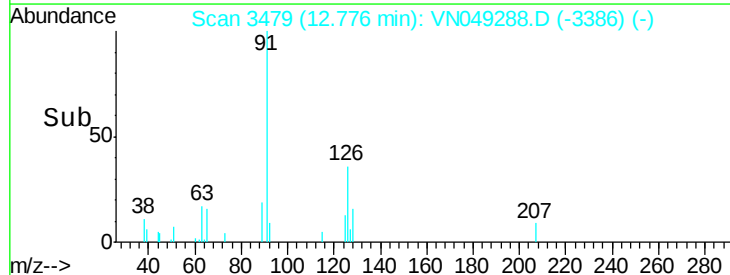
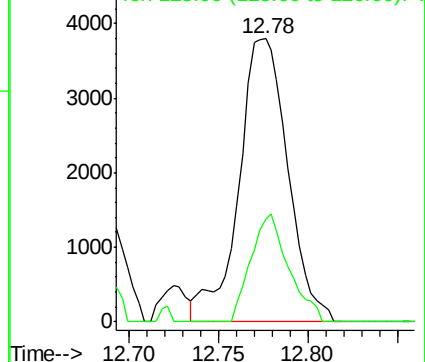
91 100

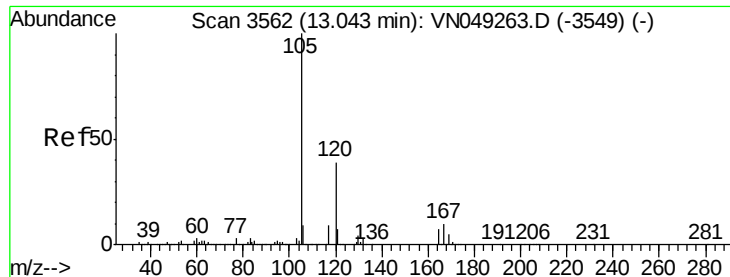
126 29.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 0.20 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

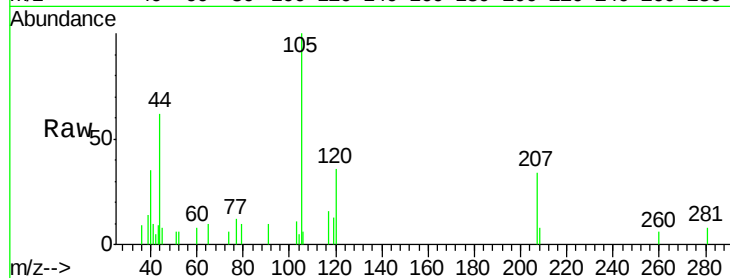
ClientSampleId :

Tot Ion:105 Resp: 5820

Ion Ratio Lower Upper

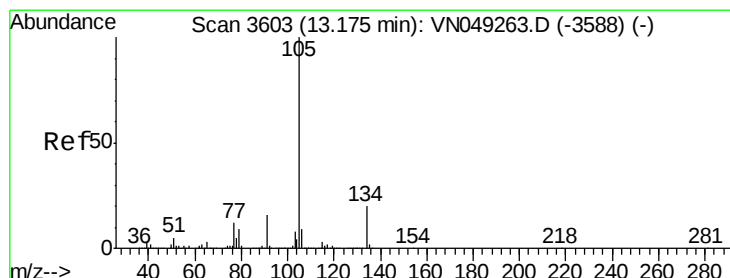
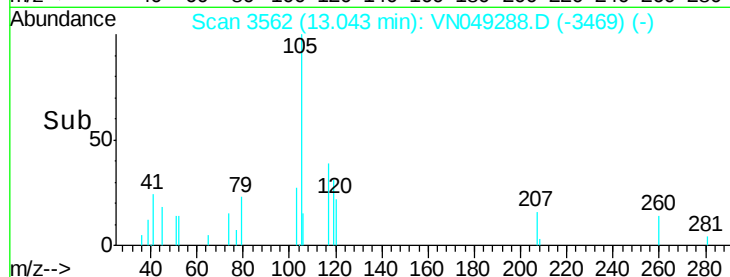
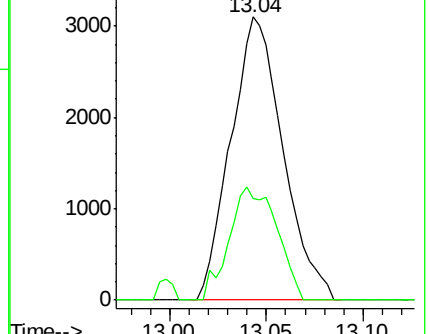
105 100

120 36.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.21 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049288.D

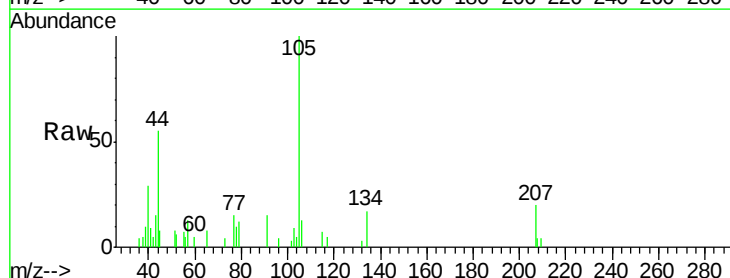
Acq: 16 Jun 2018 4:43

Tgt Ion:105 Resp: 7056

Ion Ratio Lower Upper

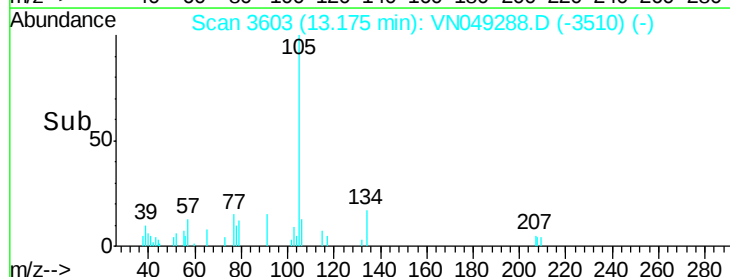
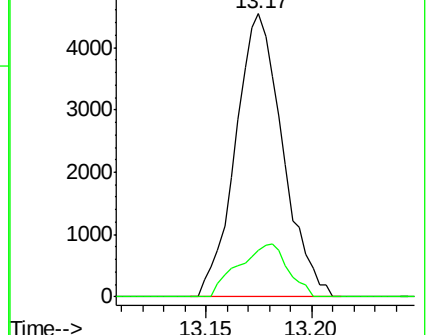
105 100

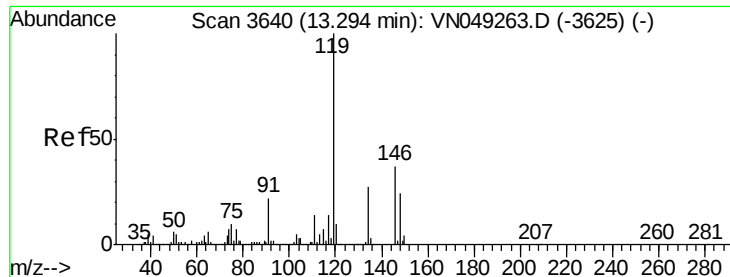
134 19.5 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

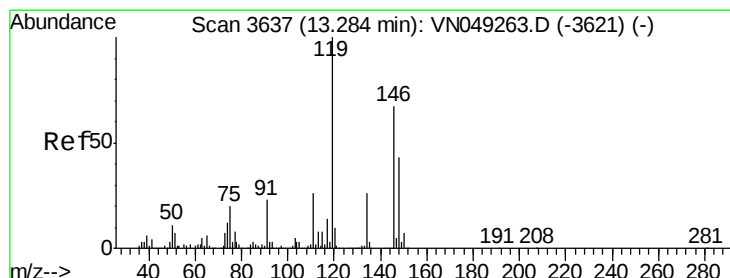
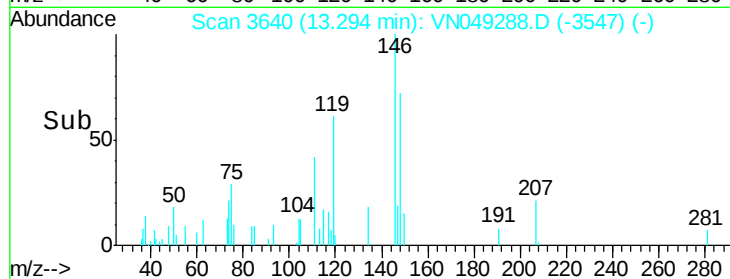
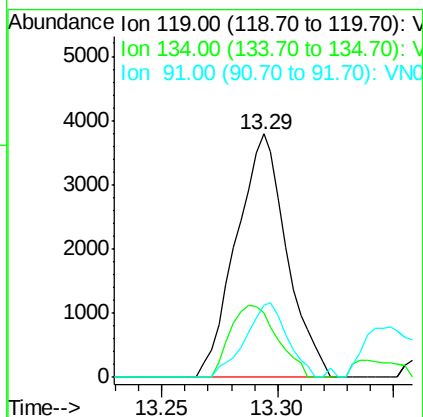
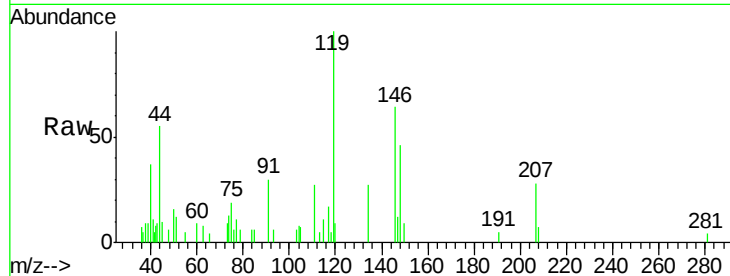




#86
 p-Isopropyltoluene
 Concen: 0.20 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

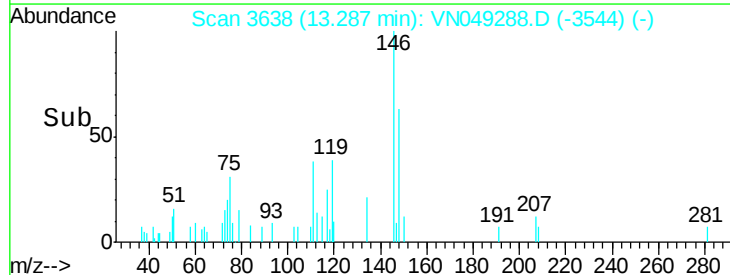
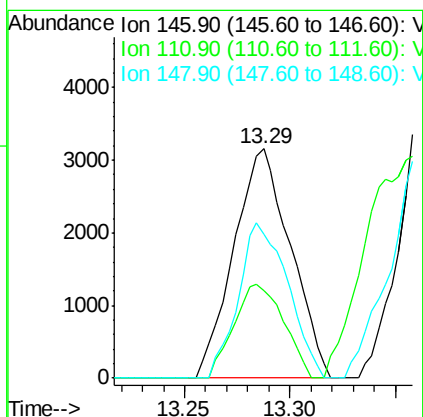
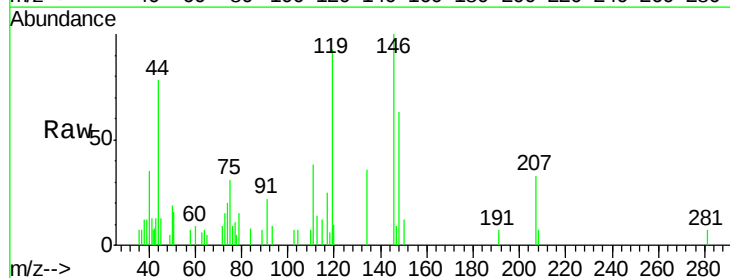
Instrument :
 MSVOA_N
 ClientSampleId :

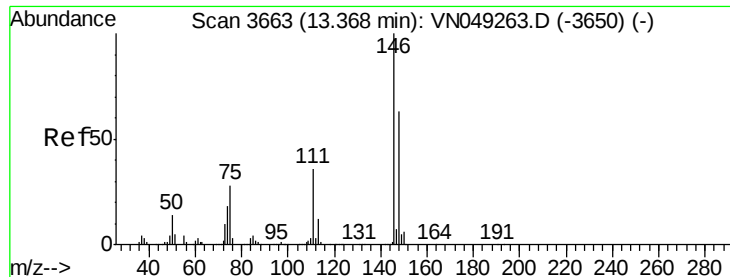
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	12.9	38.6
91	25.6	12.1	36.3



#87
 1,3-Dichlorobenzene
 Concen: 0.37 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	19.9	59.6
148	59.2	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 0.38 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

ClientSampleId :

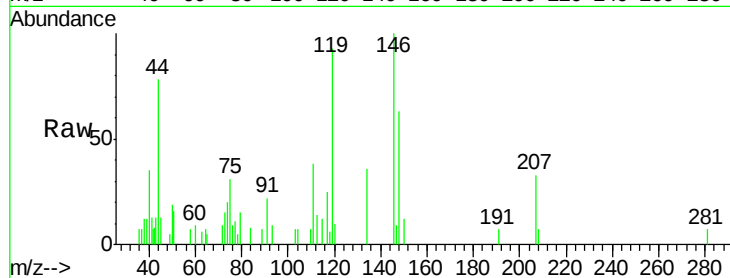
Tot Ion:146 Resp: 5906

Ion Ratio Lower Upper

146 100

111 35.8 19.1 57.1

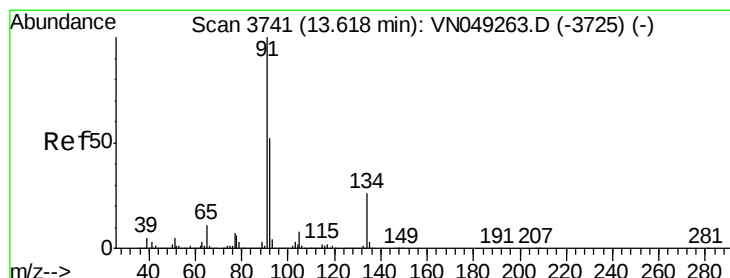
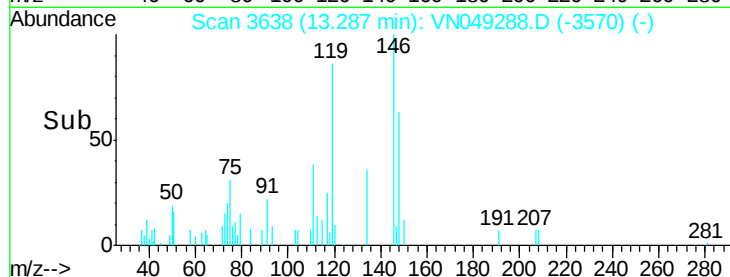
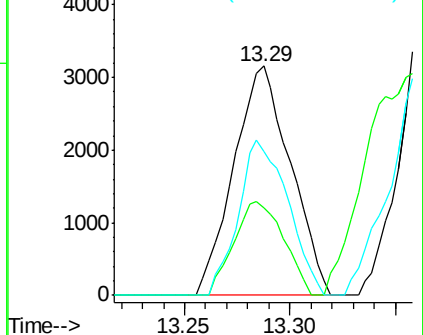
148 59.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.40 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

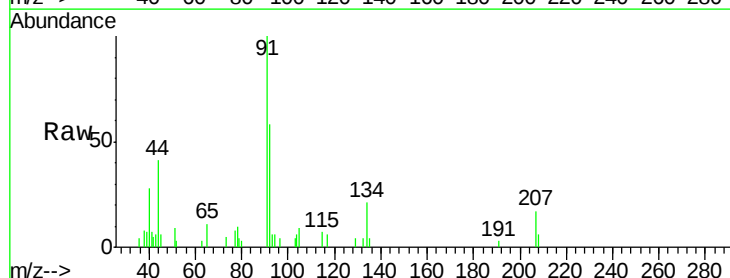
Tgt Ion: 91 Resp: 8777

Ion Ratio Lower Upper

91 100

92 56.8 25.1 75.4

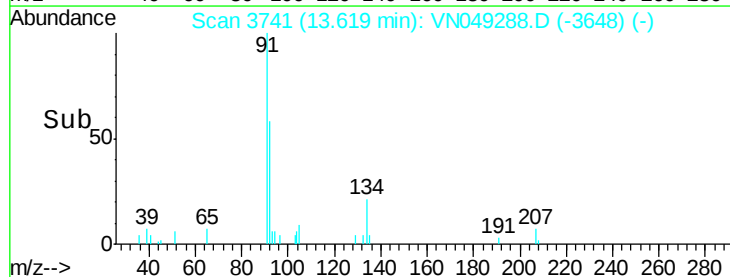
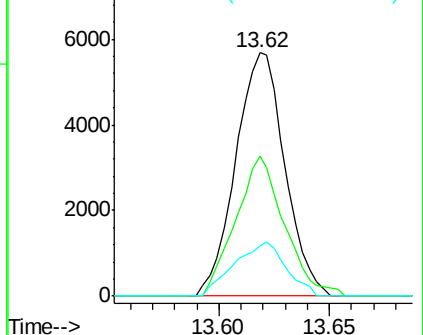
134 23.3 12.0 36.0

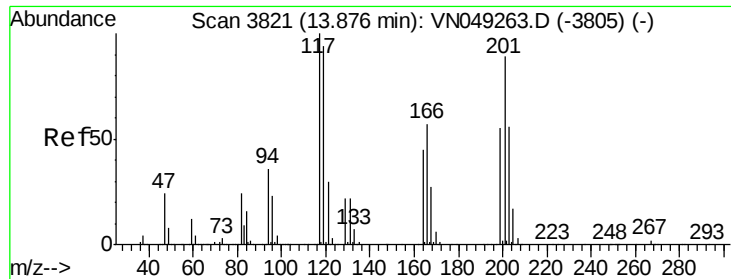


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

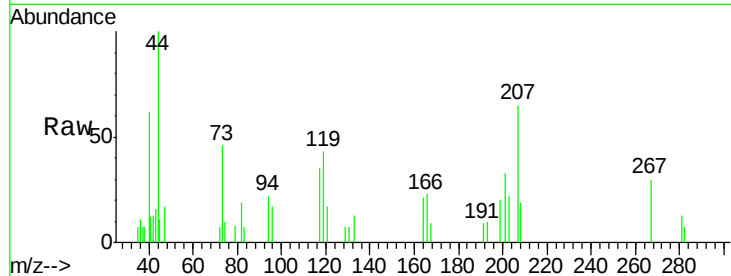
ClientSampled :

Tot Ion:117 Resp: 1378

Ion Ratio Lower Upper

117 100

201 100.7 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

800

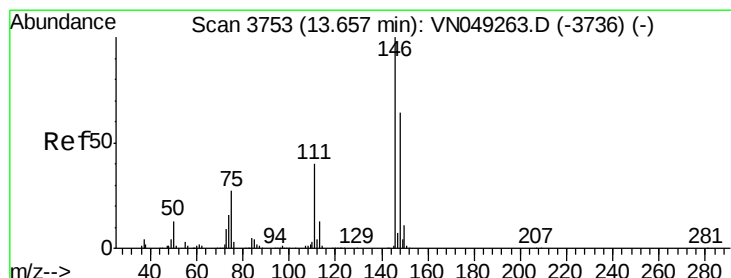
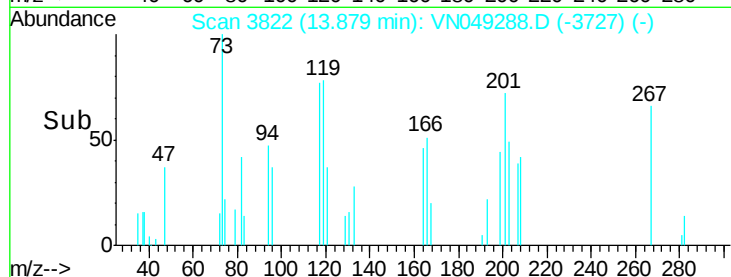
600

400

200

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.37 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

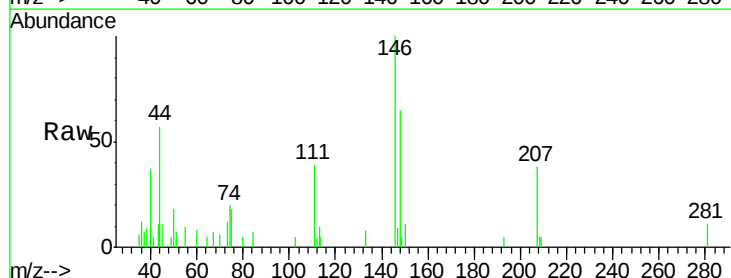
Tgt Ion:146 Resp: 5769

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.2

148 61.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

4000

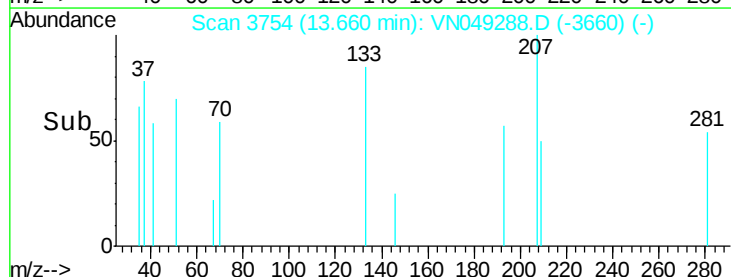
3000

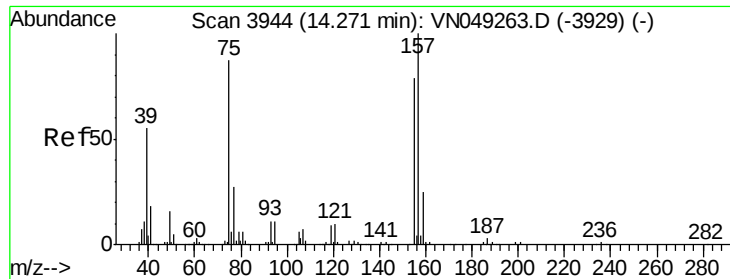
2000

1000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.58 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

Instrument :

MSVOA_N

ClientSampled :

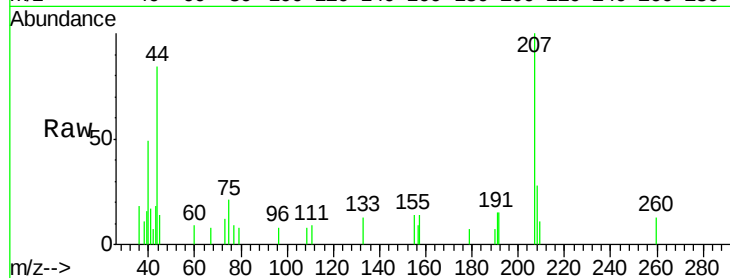
Tot Ion: 75 Resp: 736

Ion Ratio Lower Upper

75 100

155 46.5 38.8 116.3

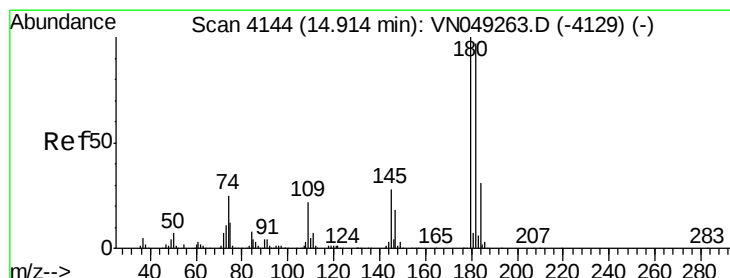
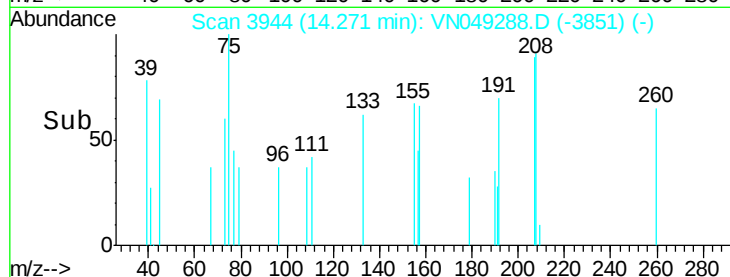
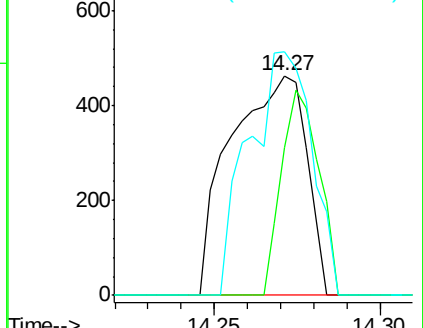
157 92.5 51.0 153.1



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) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.95 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049288.D

Acq: 16 Jun 2018 4:43

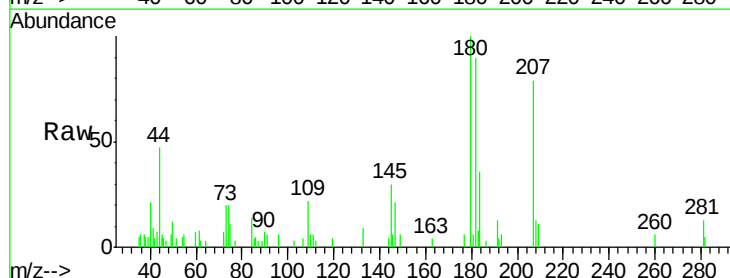
Tgt Ion: 180 Resp: 9488

Ion Ratio Lower Upper

180 100

182 86.3 46.9 140.8

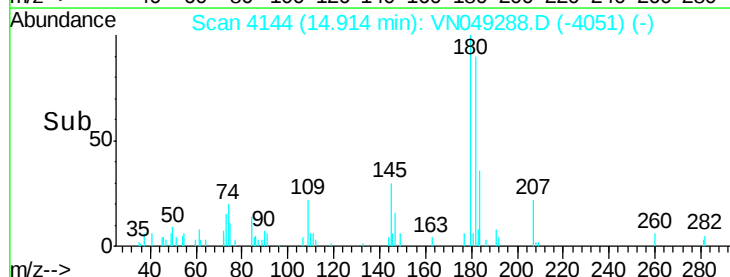
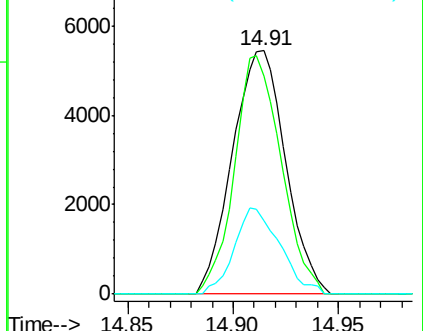
145 30.5 14.7 44.1

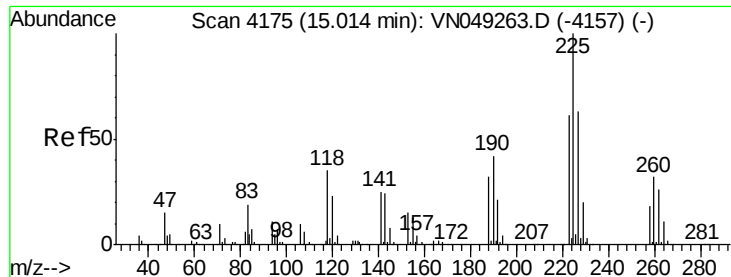


Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)

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

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

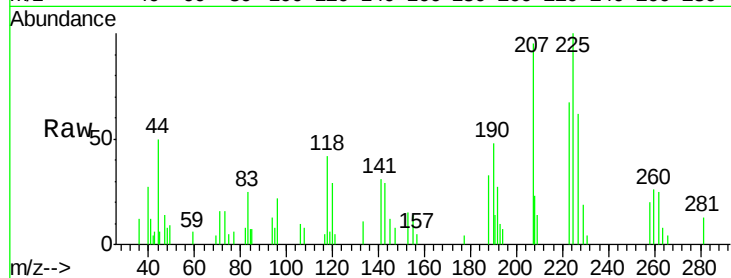




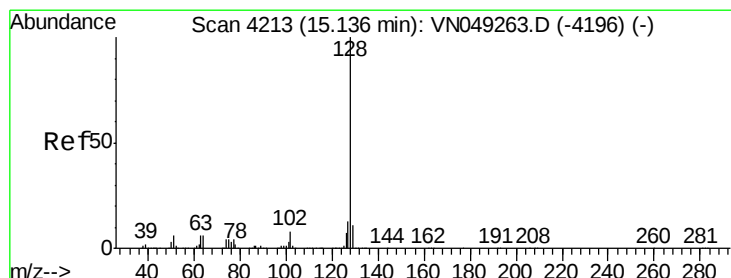
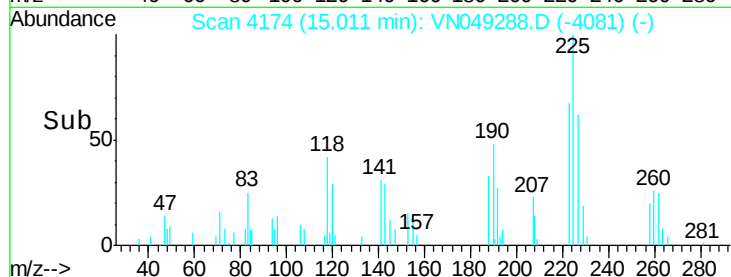
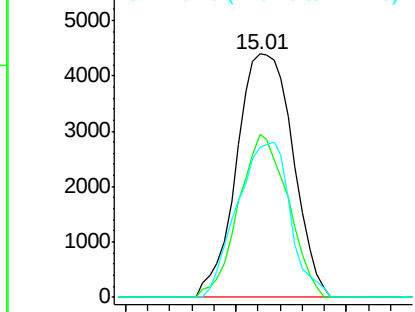
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:225 Resp: 7797
Ion Ratio Lower Upper
225 100
223 58.9 32.1 96.3
227 60.0 31.8 95.3

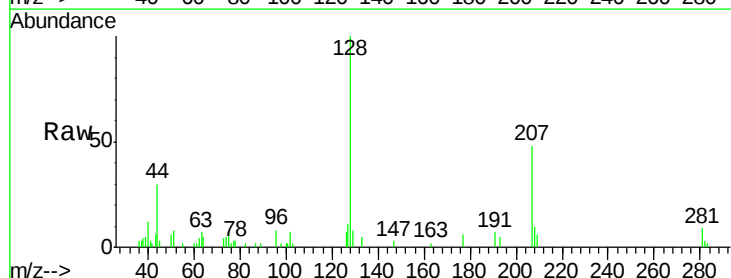


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

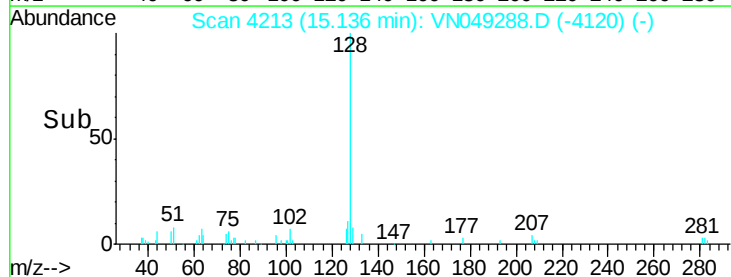
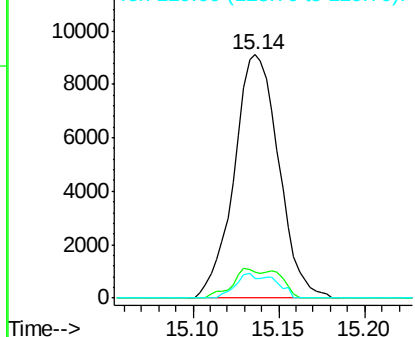


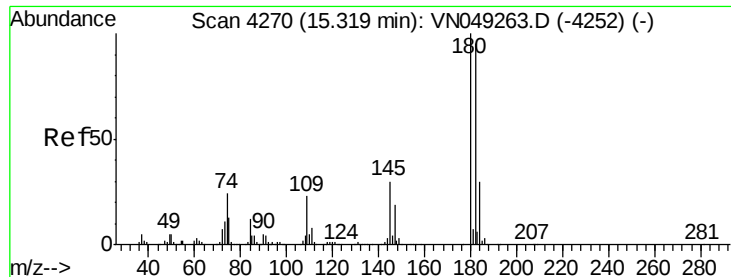
#95
Naphthalene
Concen: 3.50 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049288.D
Acq: 16 Jun 2018 4:43

Tgt Ion:128 Resp: 16425
Ion Ratio Lower Upper
128 100
127 7.5 10.6 16.0#
129 5.5 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

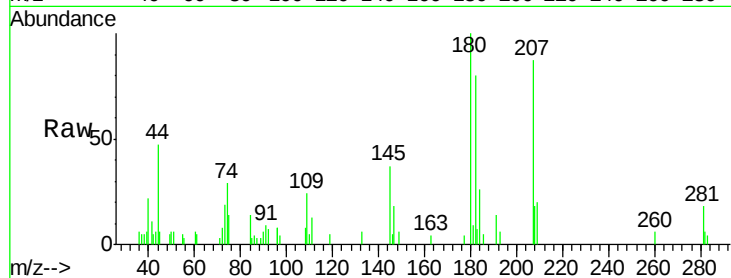




#96
 1,2,3-Trichlorobenzene
 Concen: 4.75 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049288.D
 Acq: 16 Jun 2018 4:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.0	47.3	141.8
145	34.0	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

