

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
 Data File : VN049564.D
 Acq On : 26 Jun 2018 20:14
 Operator : MD\SY
 Sample : J3241-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 01:07:20 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	1235004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1961464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1599570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	669719	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	797001	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
35) Dibromofluoromethane	7.59	113	704989	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	
50) Toluene-d8	10.09	98	2616115	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	
62) 4-Bromofluorobenzene	12.40	95	782672	39.17	ug/l	0.00
Spiked Amount			Recovery	=	78.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	3003	0.35	ug/l	53
11) Tert butyl alcohol	4.80	59	909	0.95	ug/l	96
13) Acrolein	3.60	56	1676	1.66	ug/l #	1
16) Acetone	3.82	43	131965	33.18	ug/l	99
17) Carbon Disulfide	4.05	76	12941	0.29	ug/l #	85
18) Methyl Acetate	4.33	43	295418	24.36	ug/l	93
20) Methylene Chloride	4.55	84	330913	19.92	ug/l	91
25) 2-Butanone	6.84	43	9495	1.78	ug/l	98
29) Tetrahydrofuran	7.21	42	1788	0.52	ug/l #	57
30) Chloroform	7.37	83	8347	0.29	ug/l	91
31) Cyclohexane	7.66	56	21363	0.71	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	82631	3.68	ug/l #	51
38) Carbon Tetrachloride	7.67	117	111435	4.79	ug/l #	18
43) Isopropyl Acetate	8.27	43	881163	37.74	ug/l #	64
44) Trichloroethene	8.83	130	6253	0.34	ug/l	91
49) 1,4-Dioxane	9.21	88	188	1.24	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6002	0.49	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.74	63	33	14.33	ug/l #	51
59) 2-Hexanone	10.75	43	2449	0.31	ug/l	66
65) Chlorobenzene	11.43	112	8621	0.21	ug/l #	87
68) m/p-Xylenes	11.62	106	19882	0.78	ug/l	94
69) o-Xylene	11.95	106	6647	0.27	ug/l	77
71) Bromoform	12.40	173	4579	0.46	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	71	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	373668	32.70	ug/l #	100
78) n-propylbenzene	12.59	91	30728	0.48	ug/l	96
79) 2-Chlorotoluene	12.59	91	30728	0.75	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.40	75	373668	103.35	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	15092	0.33	ug/l	85
85) sec-Butylbenzene	13.17	105	18246	0.33	ug/l	86
89) n-Butylbenzene	13.62	91	8387	0.24	ug/l #	80
90) Hexachloroethane	13.89	117	8534	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	1076	4.83	ug/l #	68
94) Hexachlorobutadiene	15.24	225	31	Below	Cal #	18

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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

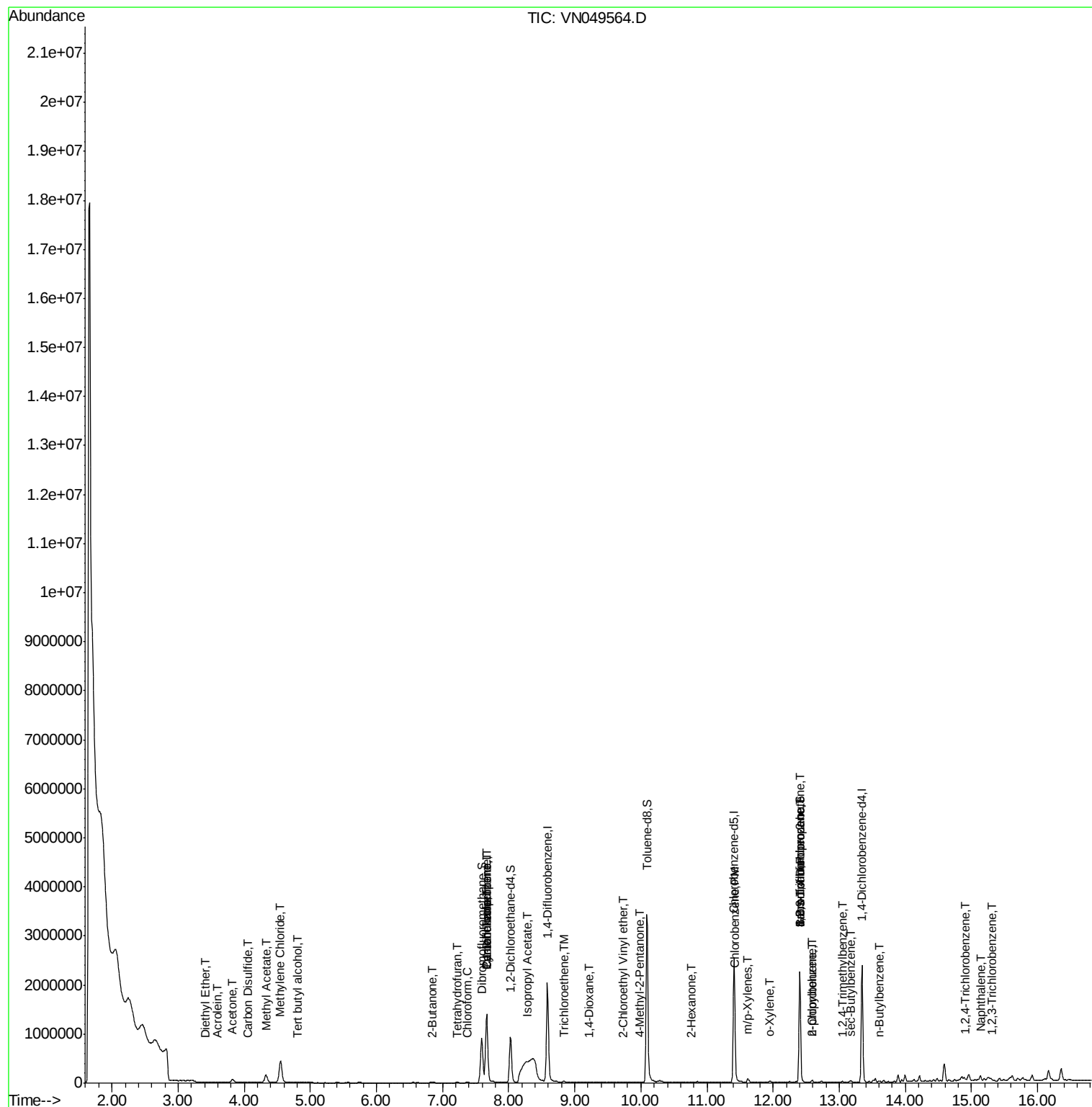
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	92118	6.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	651	3.51	ug/l #	48

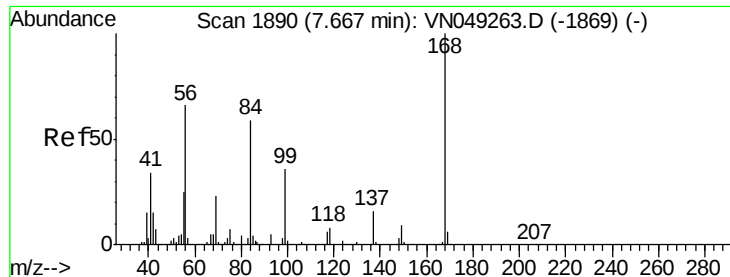
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

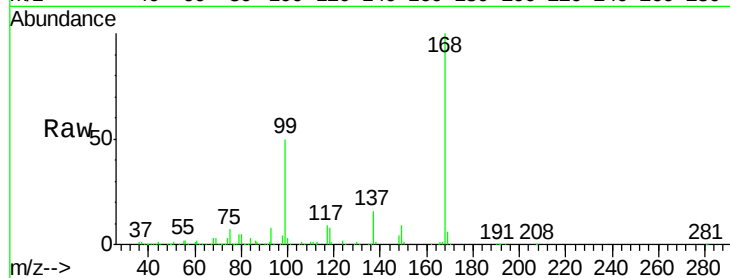
ClientSampled :

Tot Ion:168 Resp: 1235004

Ion Ratio Lower Upper

168 100

99 50.5 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

500000

400000

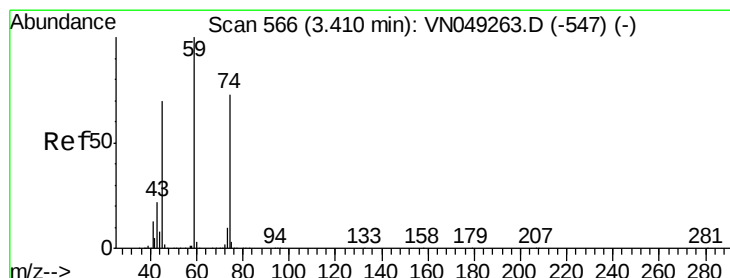
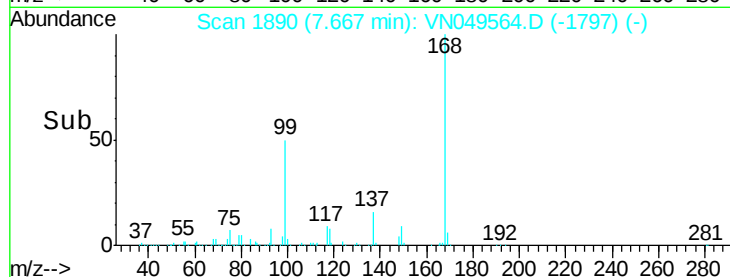
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.35 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049564.D

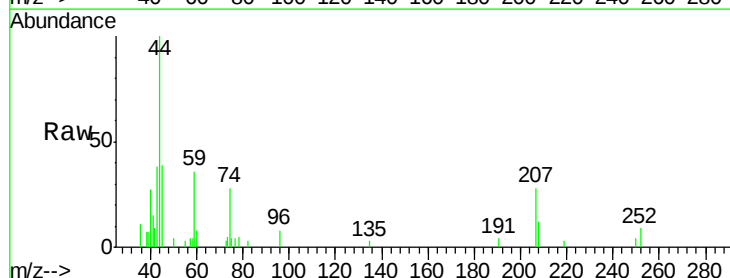
Acq: 26 Jun 2018 20:14

Tgt Ion: 74 Resp: 3003

Ion Ratio Lower Upper

74 100

45 55.9 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

2000

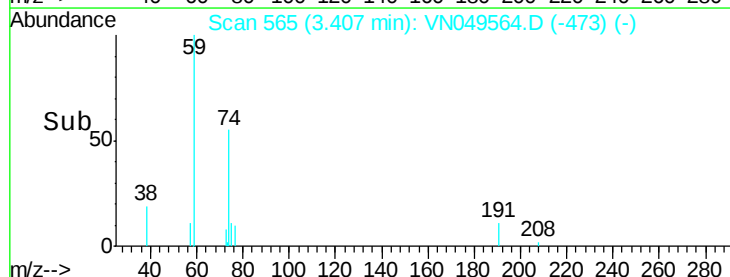
1500

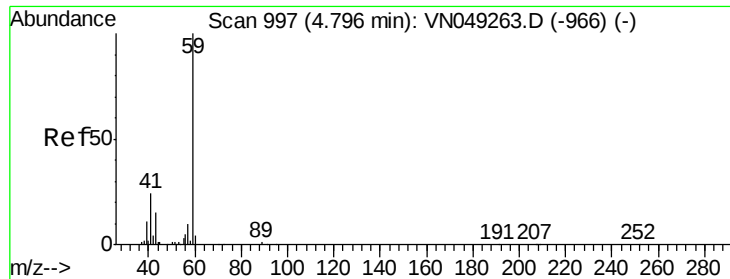
1000

500

0

Time-->

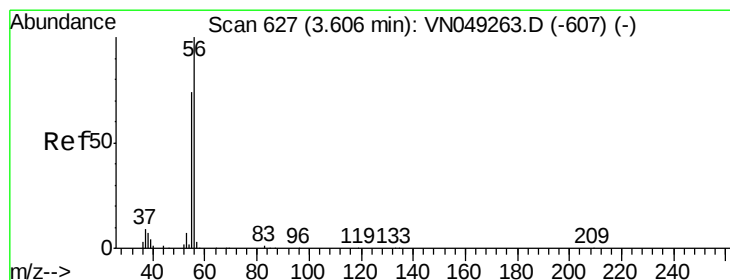
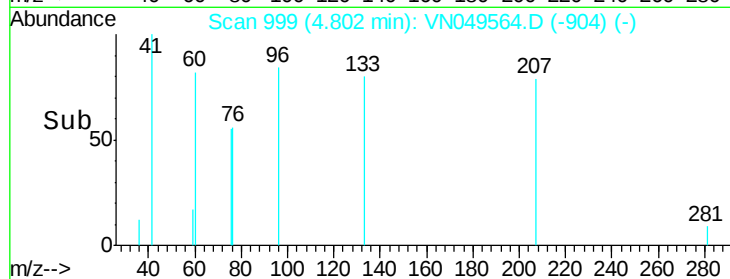
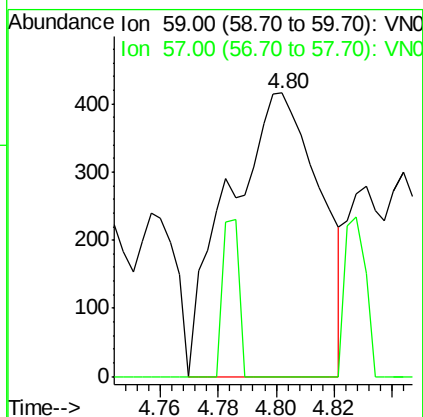
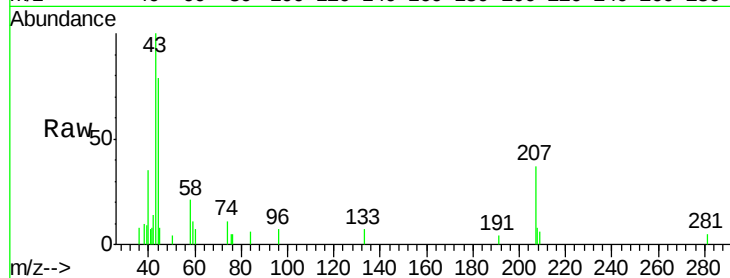




#11
Tert butyl alcohol
Concen: 0.95 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

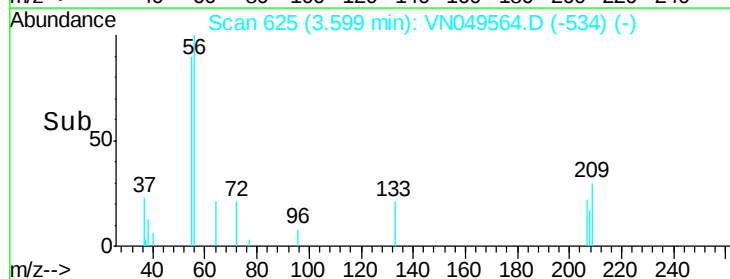
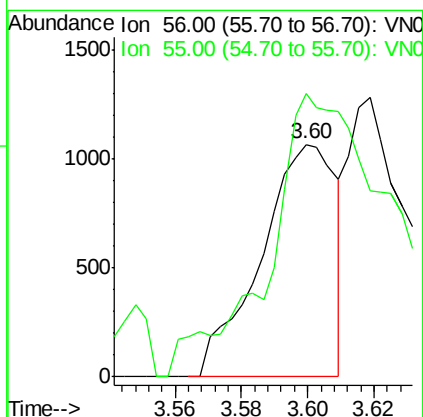
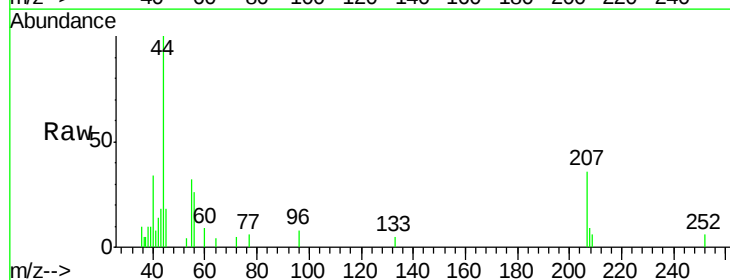
Instrument :
MSVOA_N
ClientSampled :

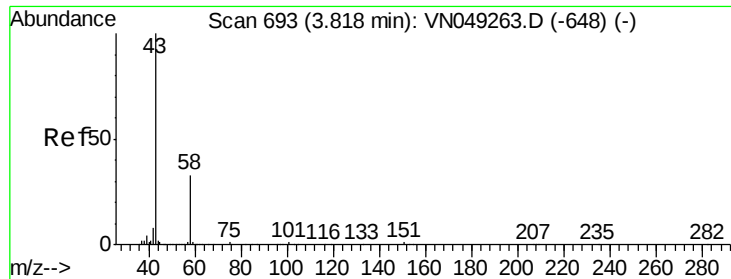
Tot Ion: 59 Resp: 909
Ion Ratio Lower Upper
59 100
57 9.7 9.0 13.6



#13
Acrolein
Concen: 1.66 ug/l
RT: 3.60 min Scan# 625
Delta R.T. -0.01 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion: 56 Resp: 1676
Ion Ratio Lower Upper
56 100
55 211.8 57.1 85.7#





#16

Acetone

Concen: 33.18 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

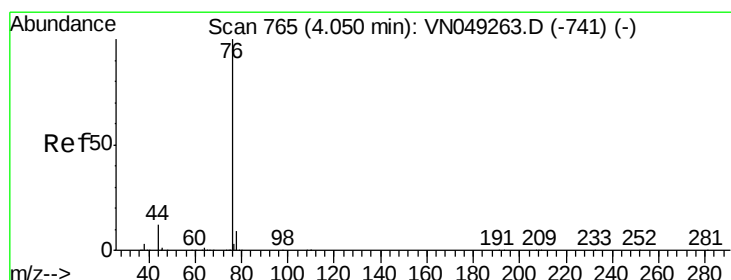
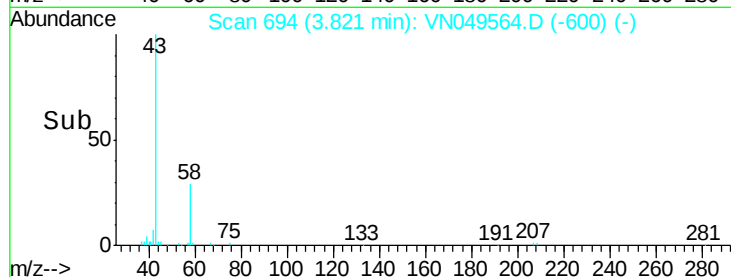
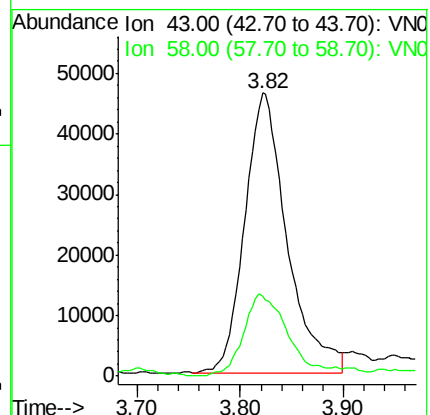
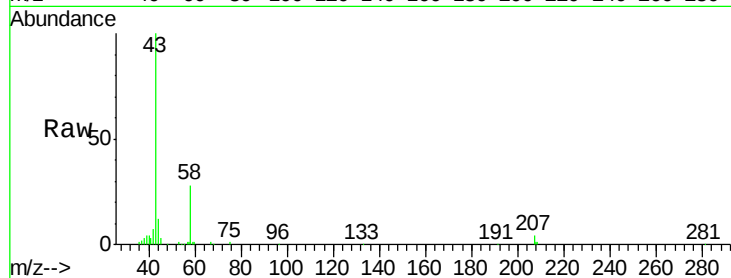
ClientSampleId :

Tot Ion: 43 Resp: 131965

Ion Ratio Lower Upper

43 100

58 28.7 22.4 33.6



#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049564.D

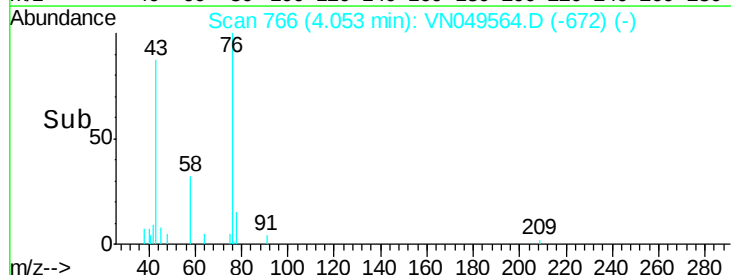
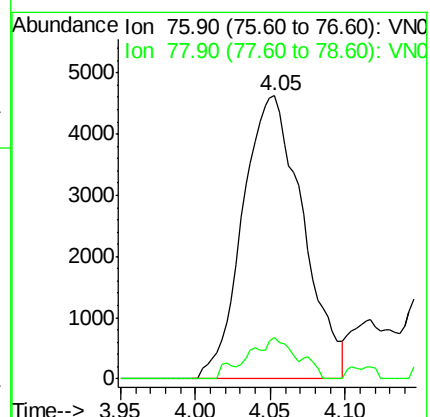
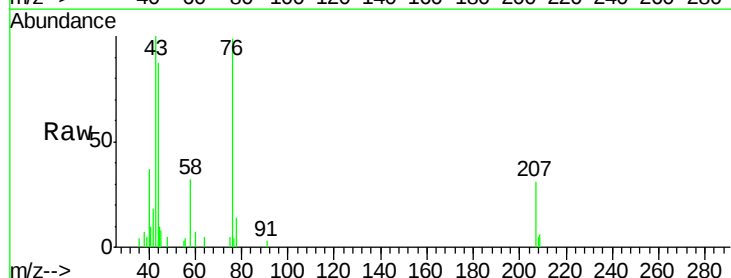
Acq: 26 Jun 2018 20:14

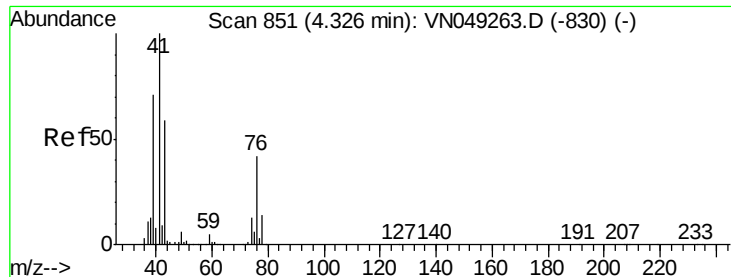
Tgt Ion: 76 Resp: 12941

Ion Ratio Lower Upper

76 100

78 14.5 7.4 11.0#

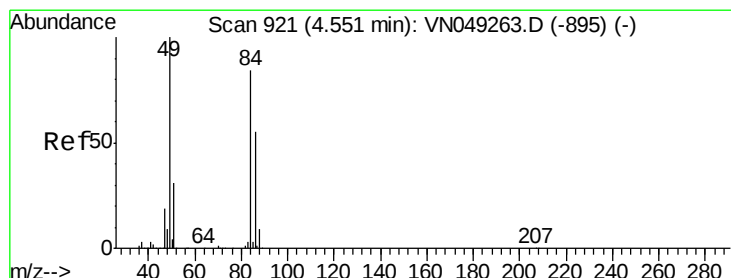
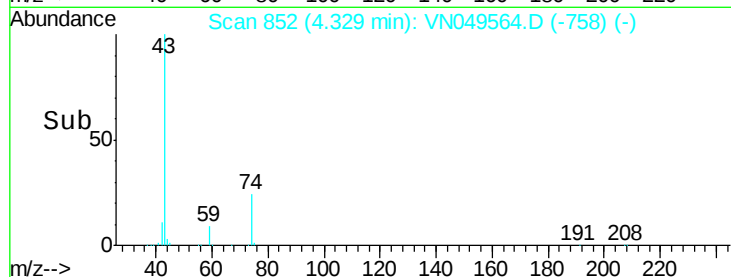
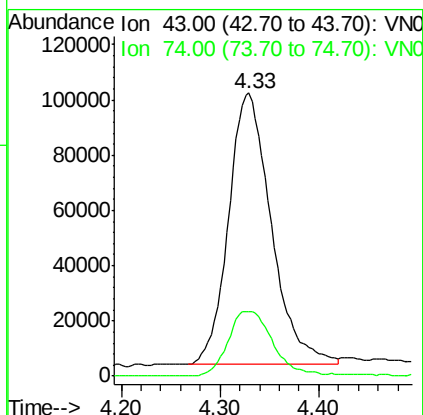
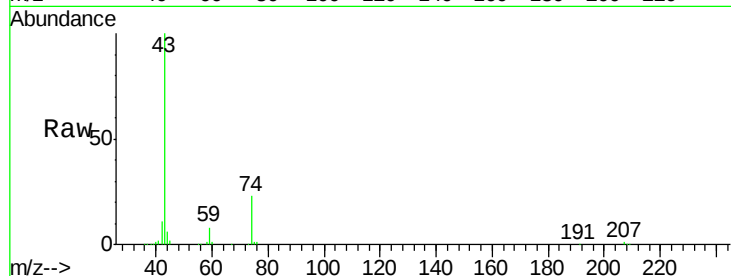




#18
Methvl Acetate
Concen: 24.36 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

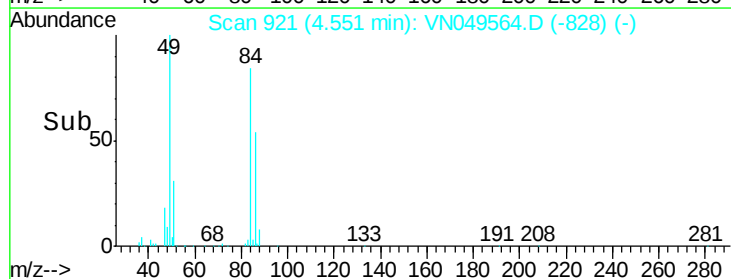
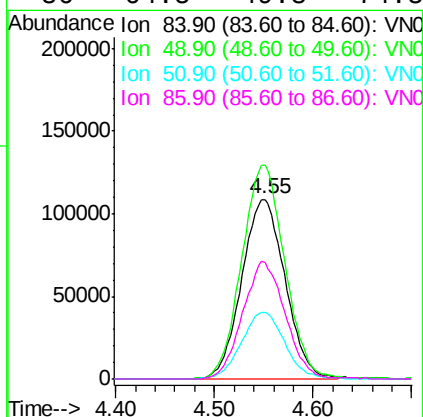
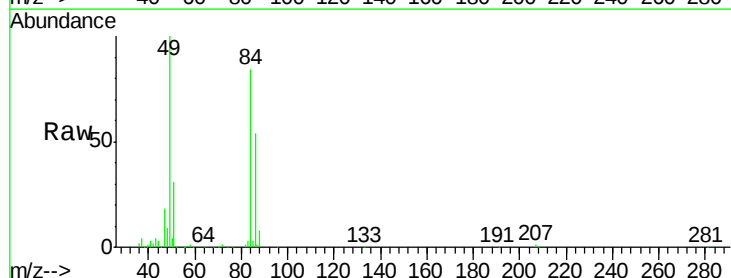
Instrument :
MSVOA_N
ClientSampled :

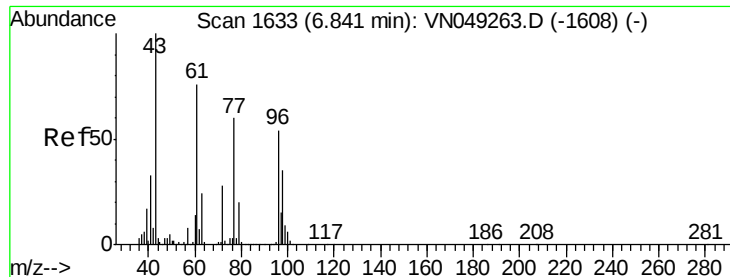
Tot Ion: 43 Resp: 295418
Ion Ratio Lower Upper
43 100
74 25.1 17.4 26.0



#20
Methylene Chloride
Concen: 19.92 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion: 84 Resp: 330913
Ion Ratio Lower Upper
84 100
49 119.0 106.9 160.3
51 37.3 32.7 49.1
86 64.5 49.8 74.8

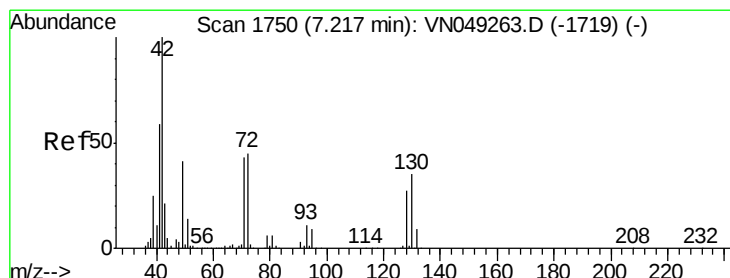
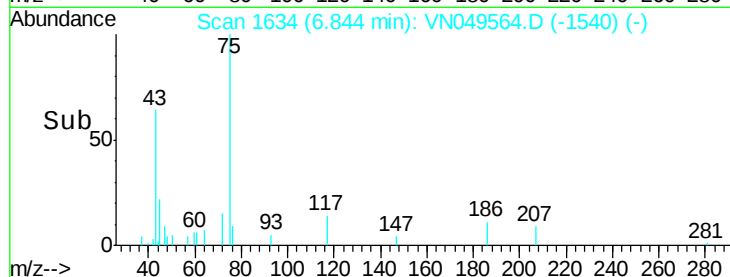
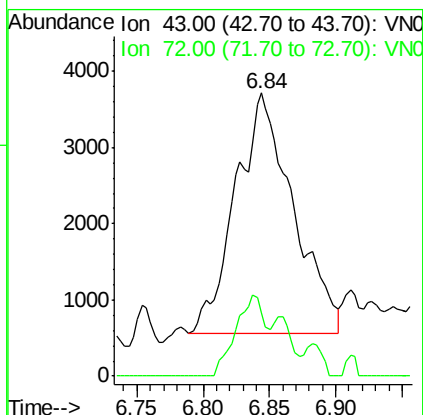
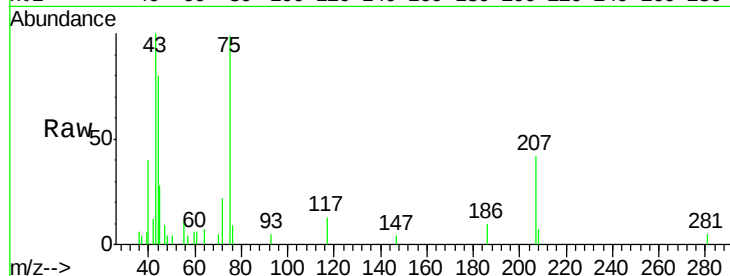




#25
2-Butanone
Concen: 1.78 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

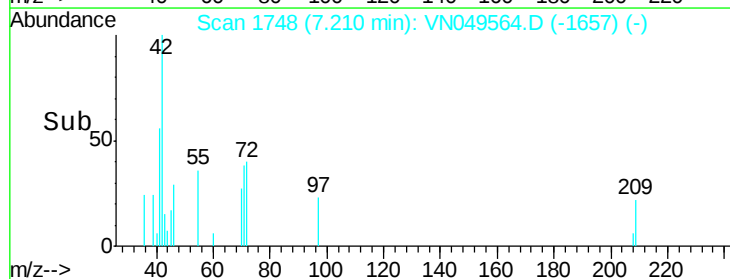
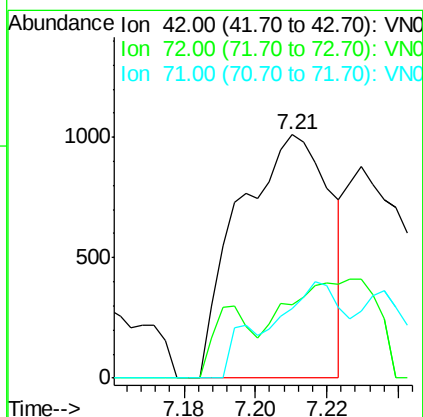
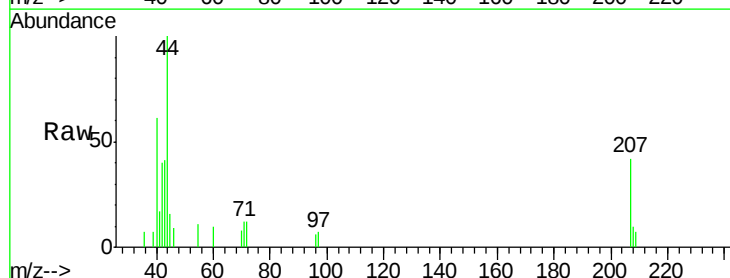
Instrument :
MSVOA_N
ClientSampleId :

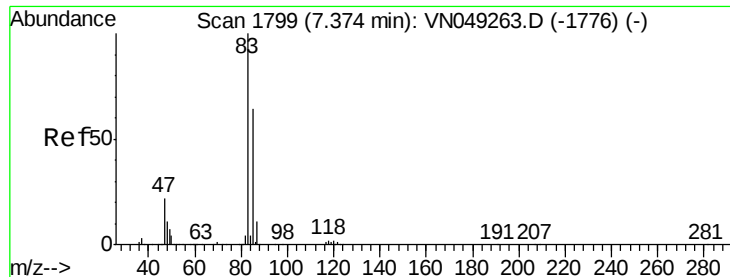
Tot Ion: 43 Resp: 9495
Ion Ratio Lower Upper
43 100
72 26.3 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.52 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion: 42 Resp: 1788
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 26.1 30.5 45.7#





#30

Chloroform

Concen: 0.29 ug/l

RT: 7.37 min Scan# 1797

Delta R.T. -0.01 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

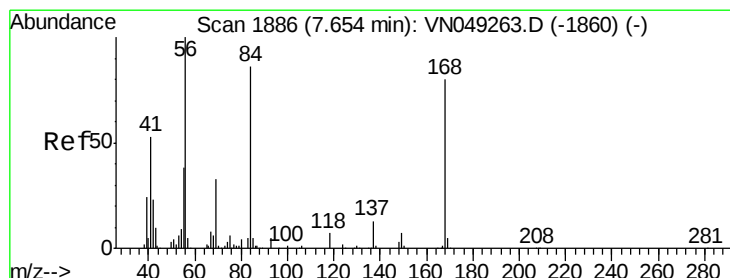
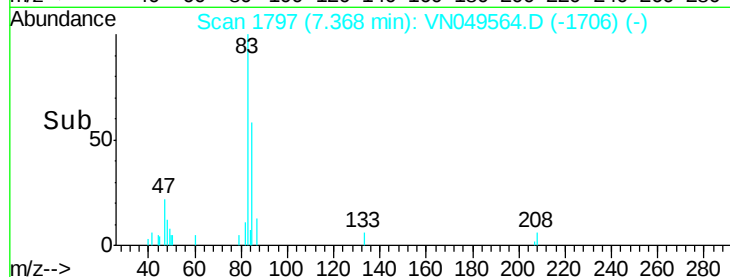
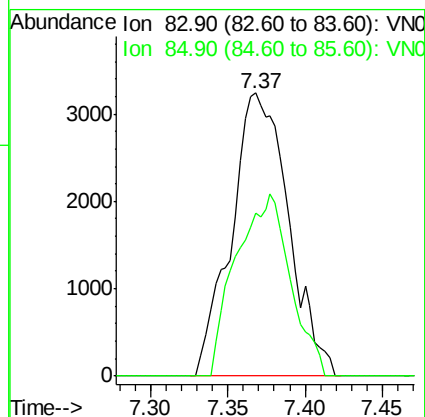
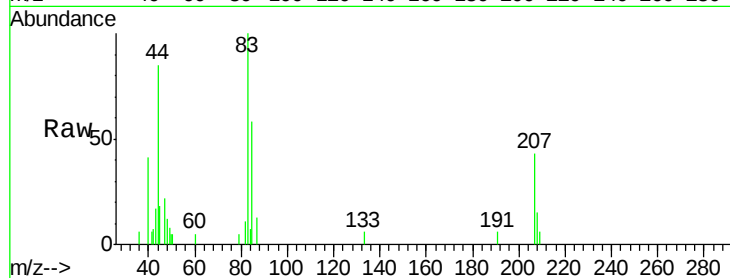
ClientSampleId :

Tot Ion: 83 Resp: 8347

Ion Ratio Lower Upper

83 100

85 57.6 51.7 77.5



#31

Cyclohexane

Concen: 0.71 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

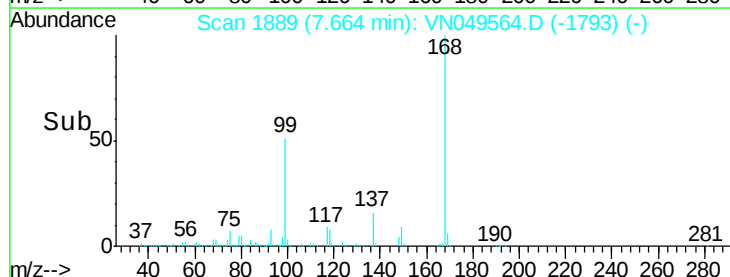
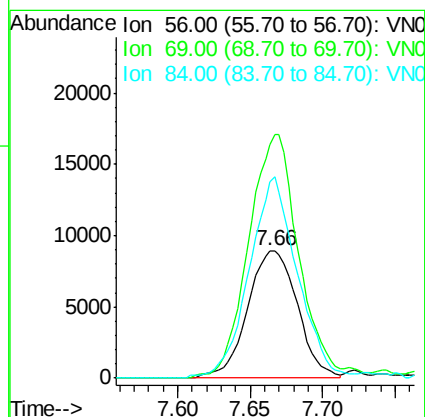
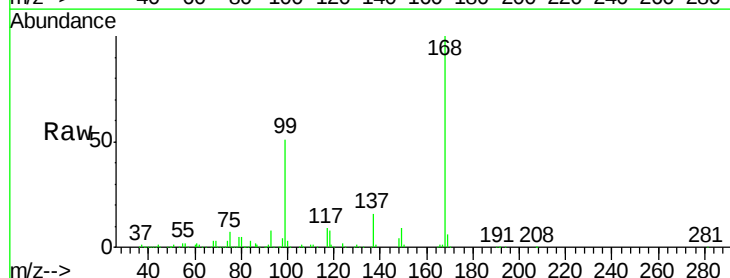
Tgt Ion: 56 Resp: 21363

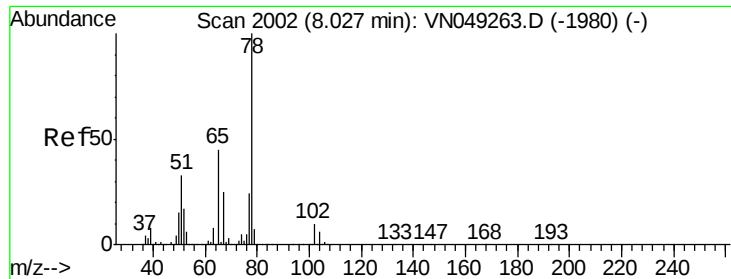
Ion Ratio Lower Upper

56 100

69 183.2 25.0 37.4#

84 152.4 64.6 96.8#





#33

1,2-Dichloroethane-d4

Concen: 48.66 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

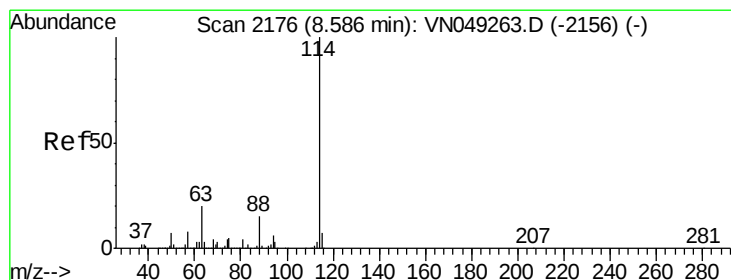
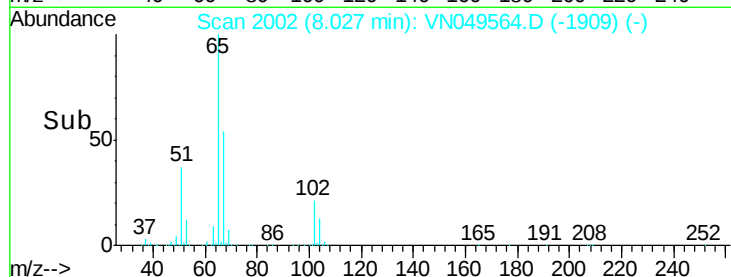
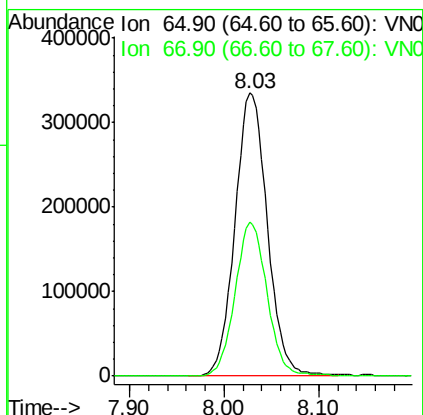
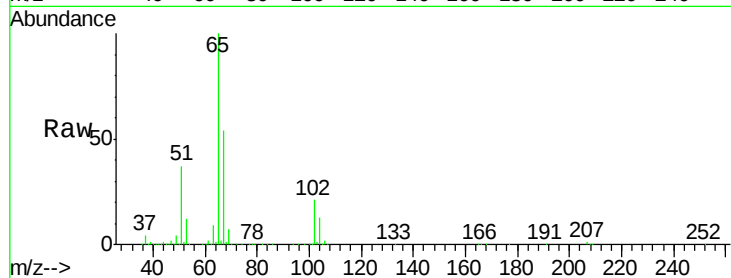
ClientSampleId :

Tot Ion: 65 Resp: 797001

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

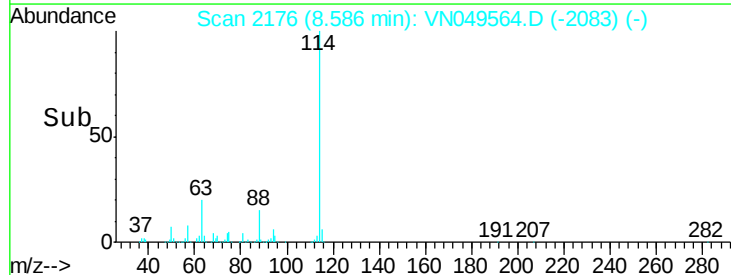
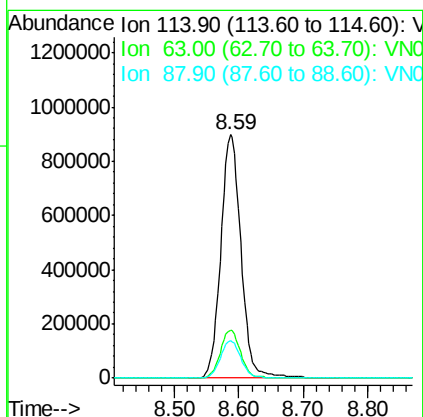
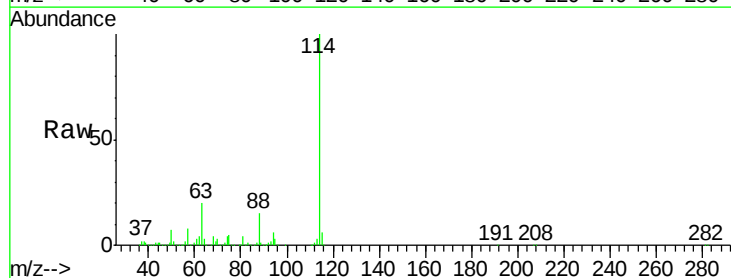
Tgt Ion: 114 Resp: 1961464

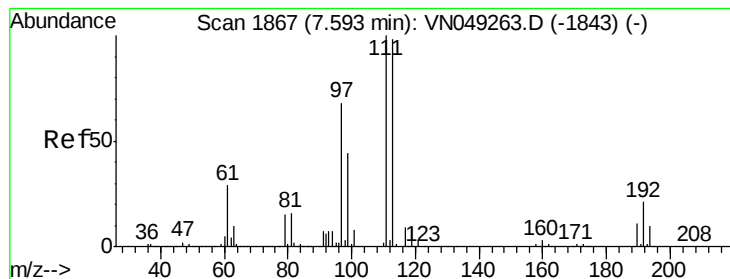
Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 44.43 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :
MSVOA_N
ClientSampleId :

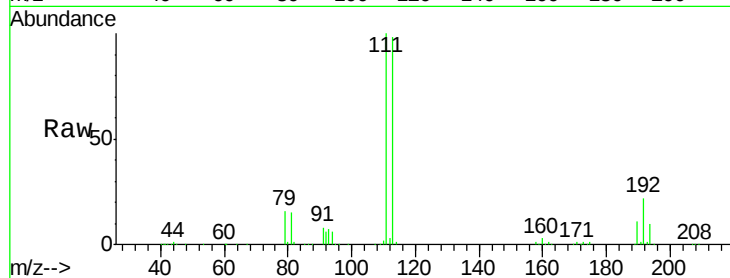
Tot Ion:113 Resp: 704989

Ion Ratio Lower Upper

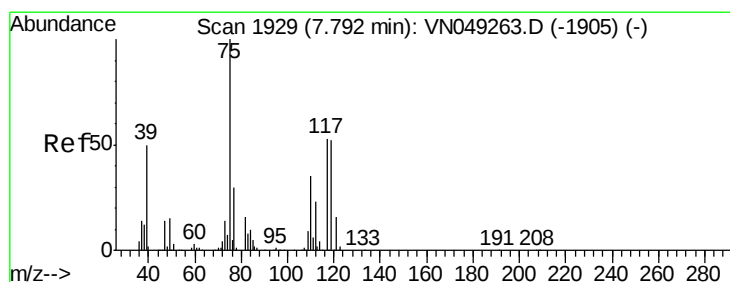
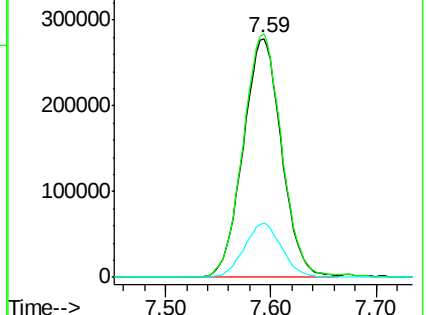
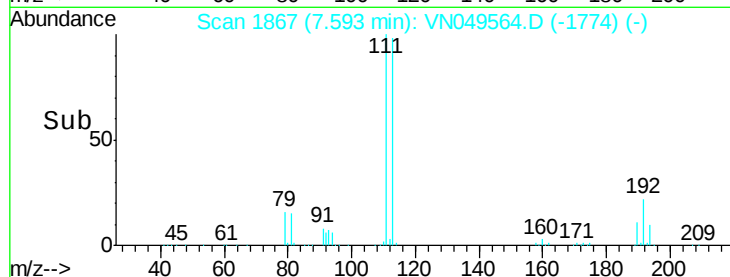
113 100

111 102.5 82.4 123.6

192 22.2 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.68 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

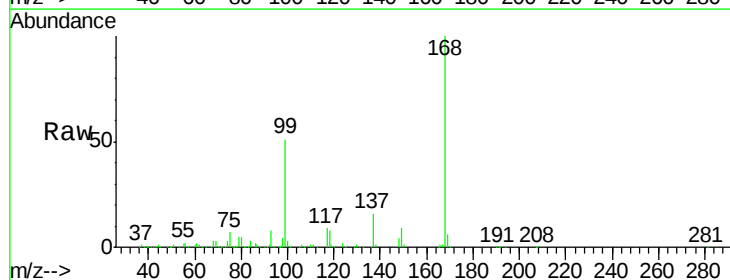
Tgt Ion: 75 Resp: 82631

Ion Ratio Lower Upper

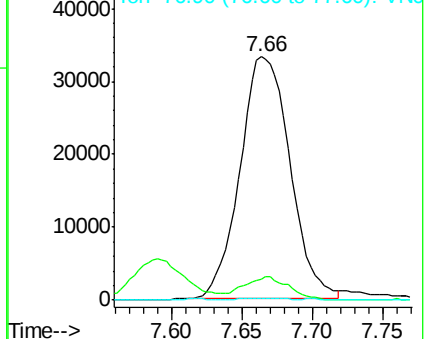
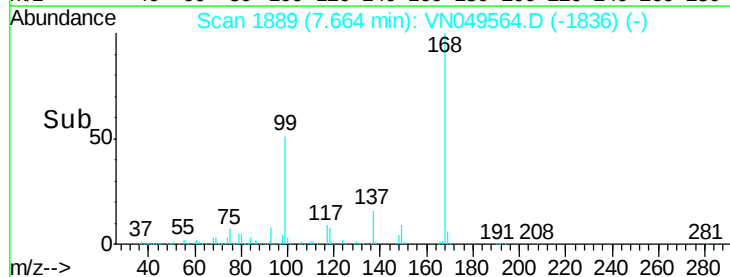
75 100

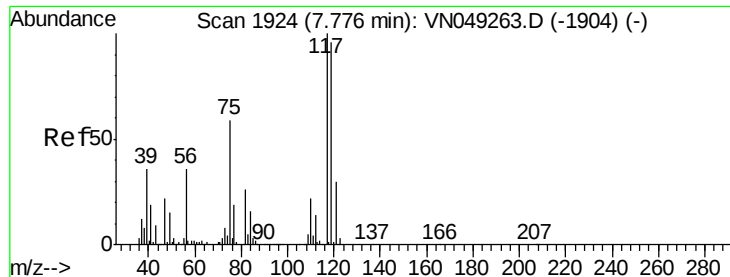
110 8.7 17.0 50.9#

77 0.4 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

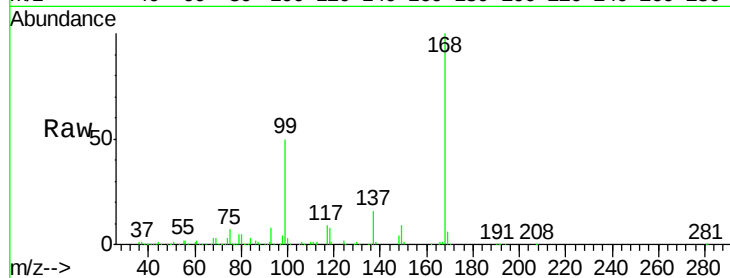




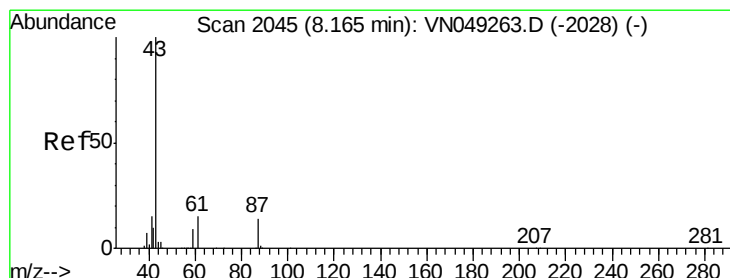
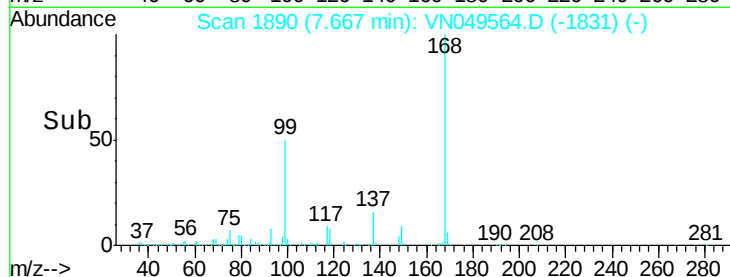
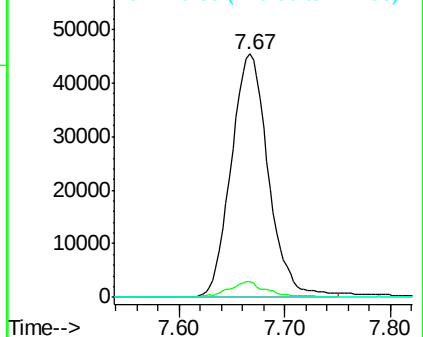
#38
Carbon Tetrachloride
Concen: 4.79 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 111435
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 24.7 37.1#

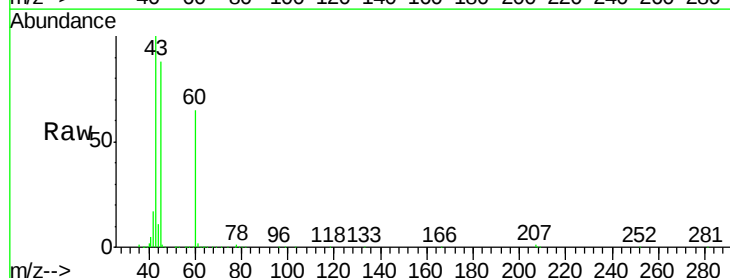


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

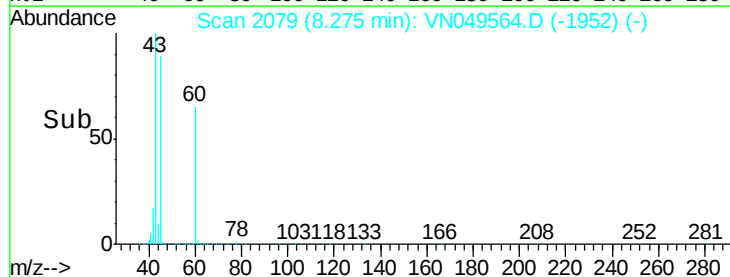
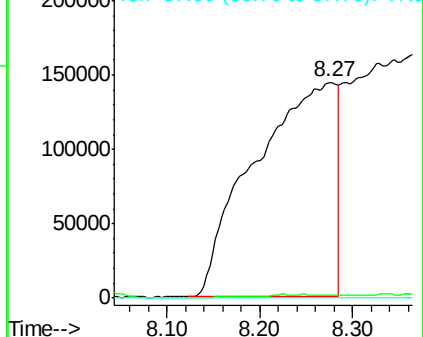


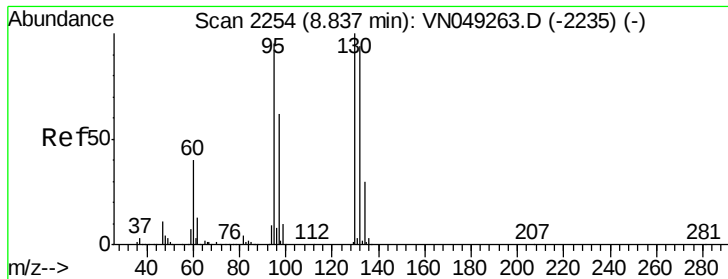
#43
Isopropyl Acetate
Concen: 37.74 ug/l
RT: 8.27 min Scan# 2079
Delta R.T. 0.11 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion: 43 Resp: 881163
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.4 14.0#



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





#44

Trichloroethene

Concen: 0.34 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

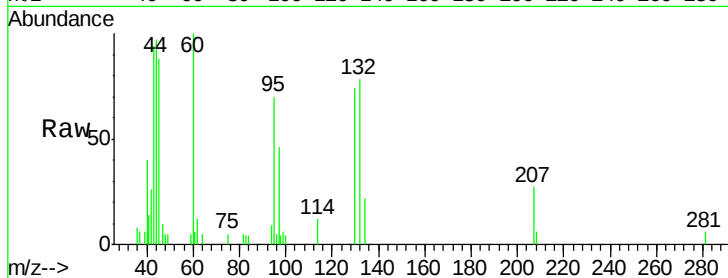
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:130 Resp: 6253

Ion Ratio Lower Upper

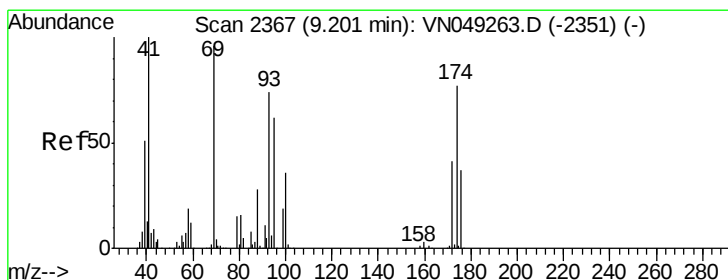
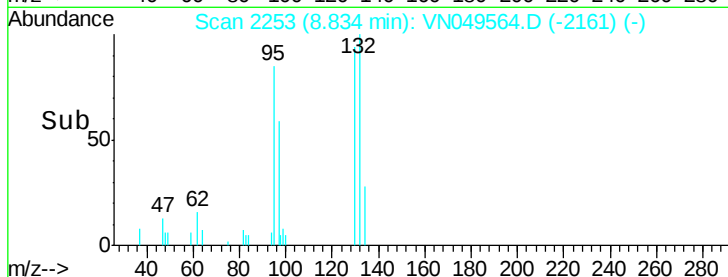
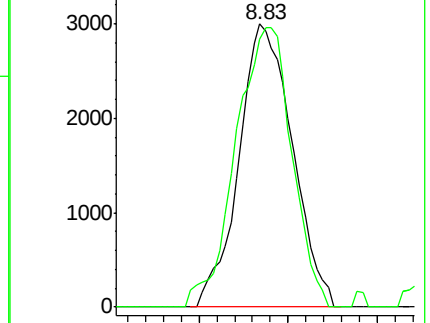
130 100

95 94.9 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#49

1,4-Dioxane

Concen: 1.24 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

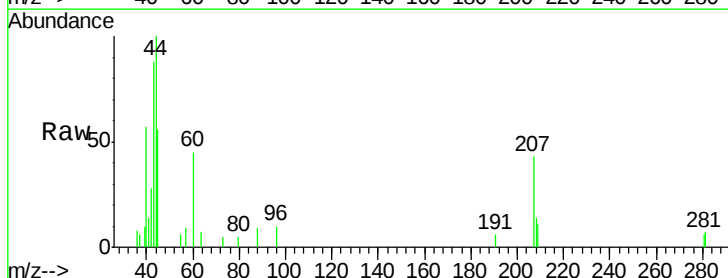
Tgt Ion: 88 Resp: 188

Ion Ratio Lower Upper

88 100

43 433.5 30.9 46.3#

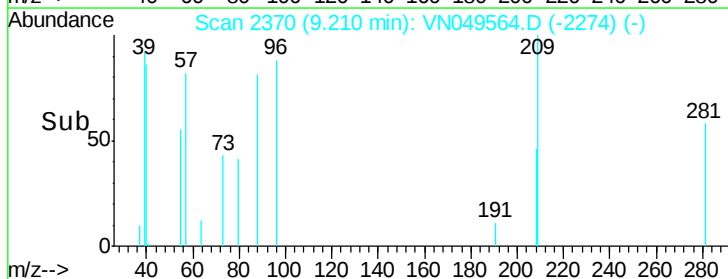
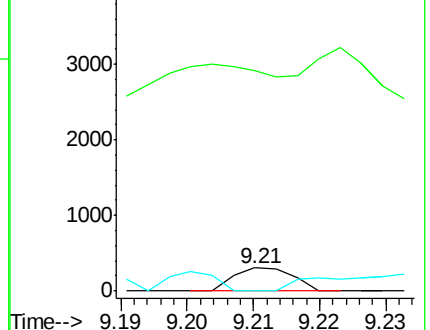
58 67.6 58.9 88.3

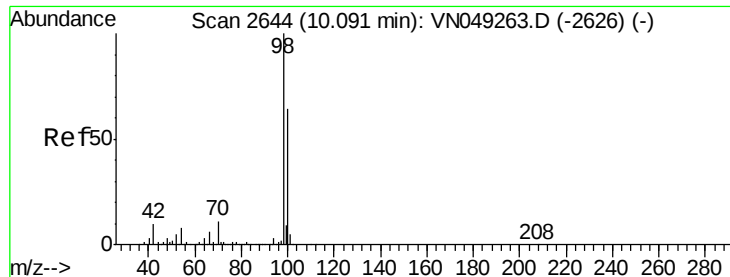


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

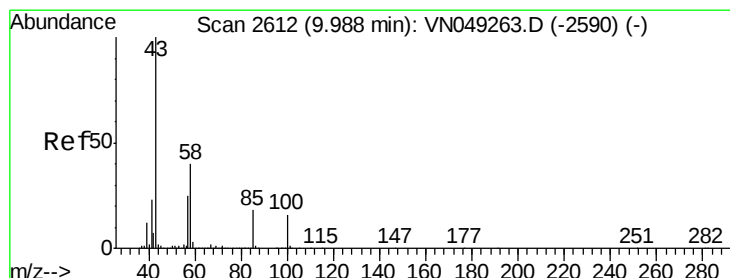
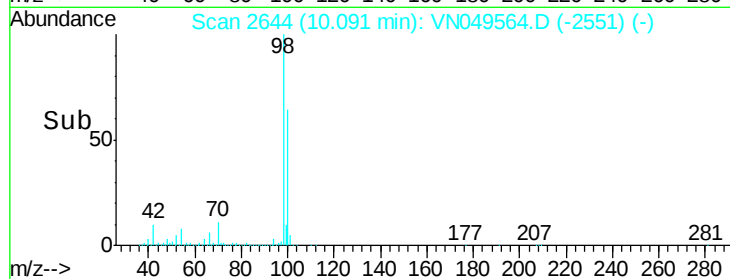
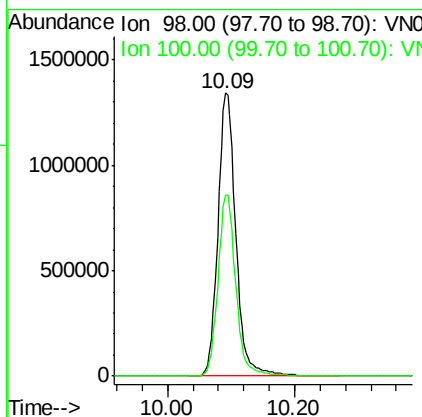
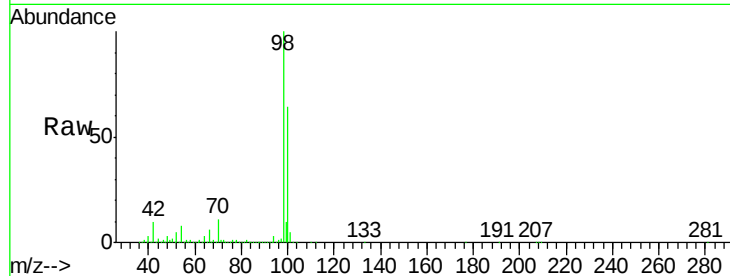




#50
Toluene-d8
Concen: 43.30 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

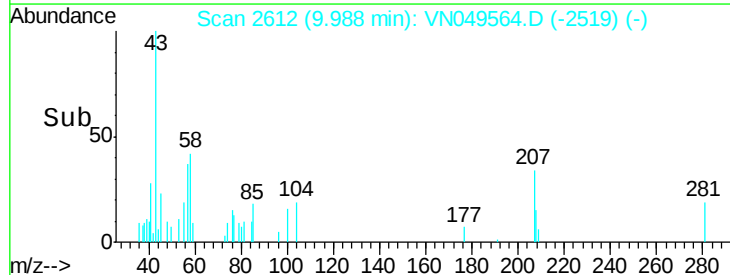
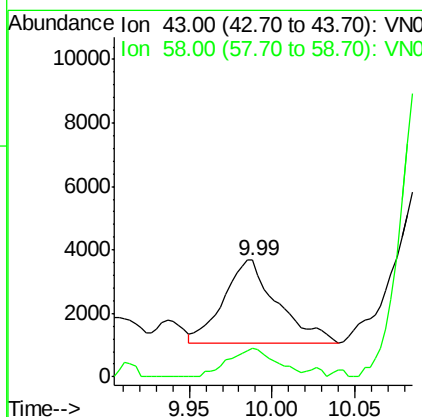
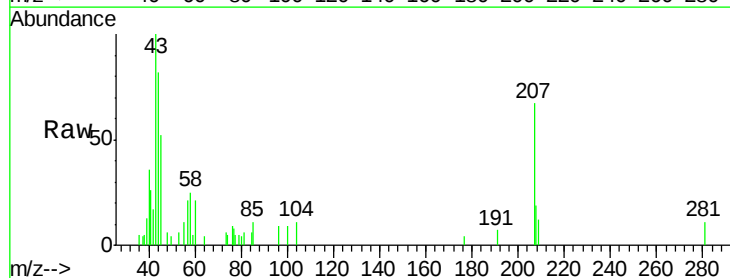
Instrument :
MSVOA_N
ClientSampled :

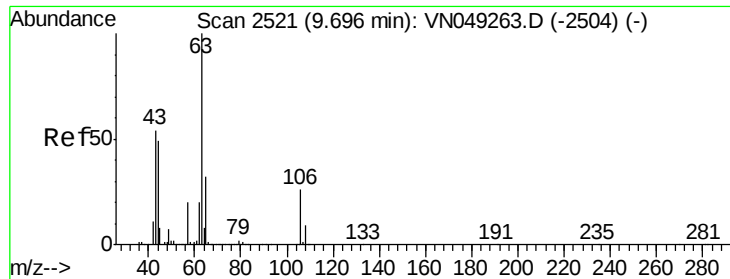
Tot Ion: 98 Resp: 2616115
Ion Ratio Lower Upper
98 100
100 64.1 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.49 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion: 43 Resp: 6002
Ion Ratio Lower Upper
43 100
58 29.7 29.0 43.6

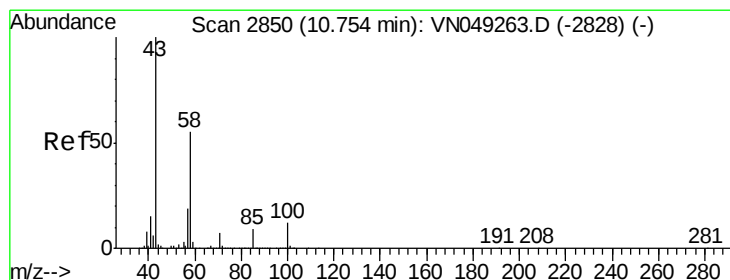
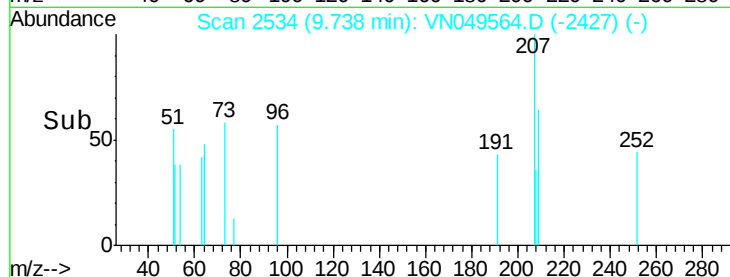
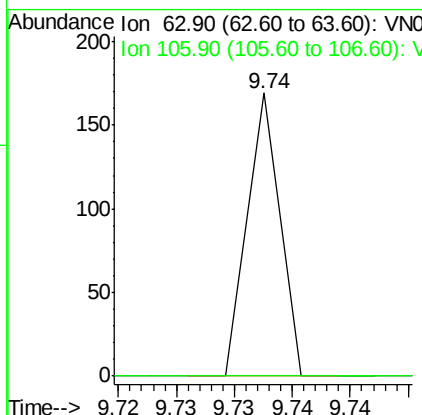
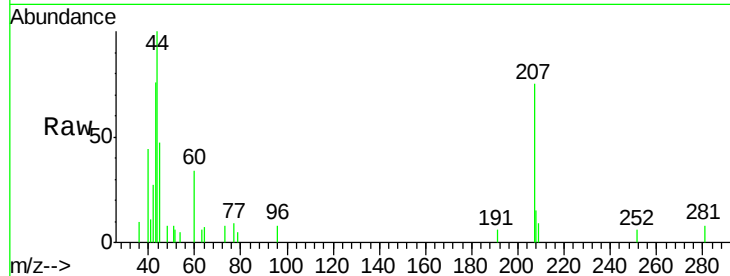




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.33 ug/l
 RT: 9.74 min Scan# 2534
 Delta R.T. 0.04 min
 Lab File: VN049564.D
 Acq: 26 Jun 2018 20:14

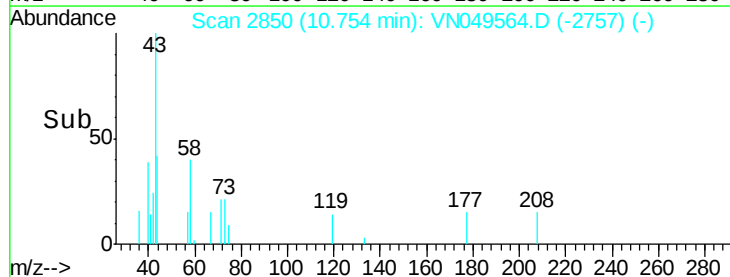
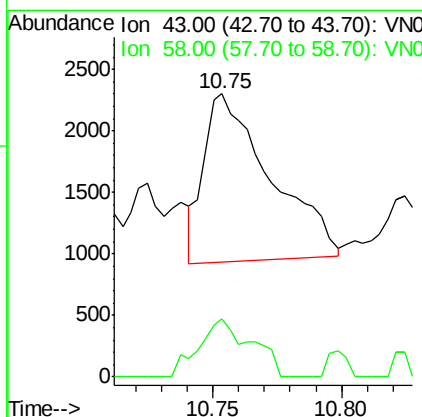
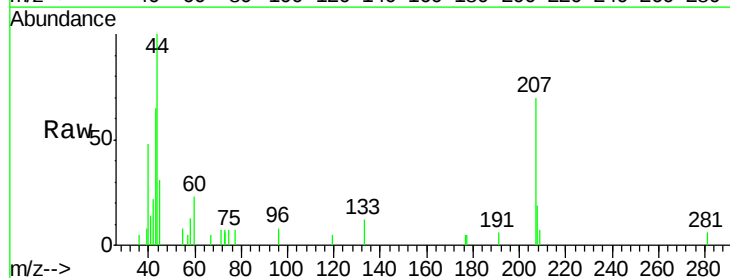
Instrument :
 MSVOA_N
 ClientSampleID :

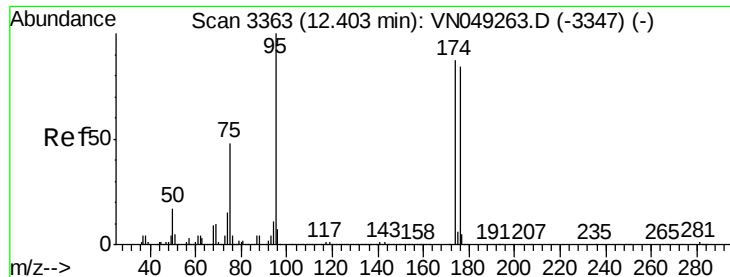
Tot Ion: 63 Resp: 33
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#59
 2-Hexanone
 Concen: 0.31 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN049564.D
 Acq: 26 Jun 2018 20:14

Tgt Ion: 43 Resp: 2449
 Ion Ratio Lower Upper
 43 100
 58 27.0 25.2 75.6





#62

4-Bromofluorobenzene

Concen: 39.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

ClientSampleId :

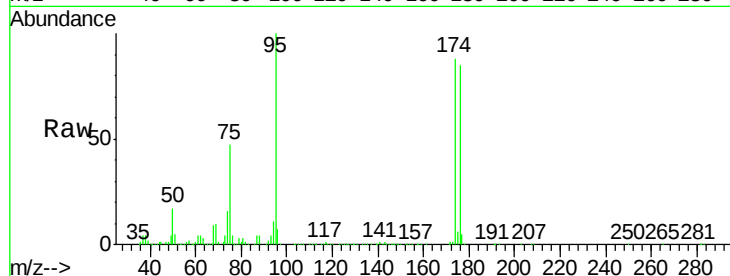
Tot Ion: 95 Resp: 782672

Ion Ratio Lower Upper

95 100

174 88.6 0.0 165.6

176 86.2 0.0 157.4



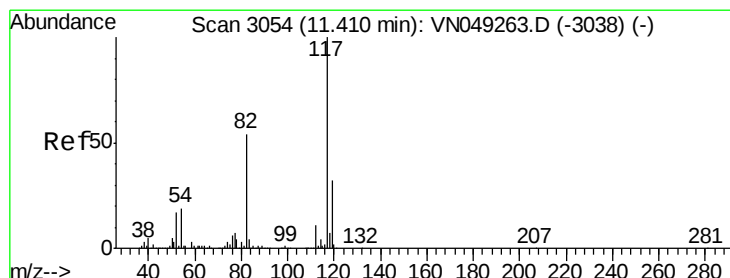
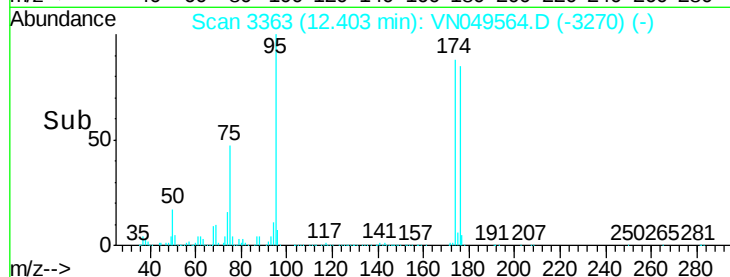
Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

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-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

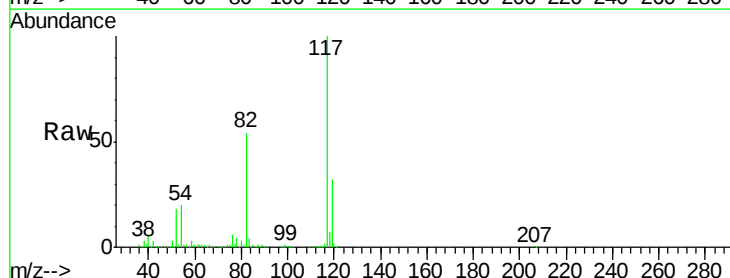
Tgt Ion: 117 Resp: 1599570

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

119 32.4 25.5 38.3



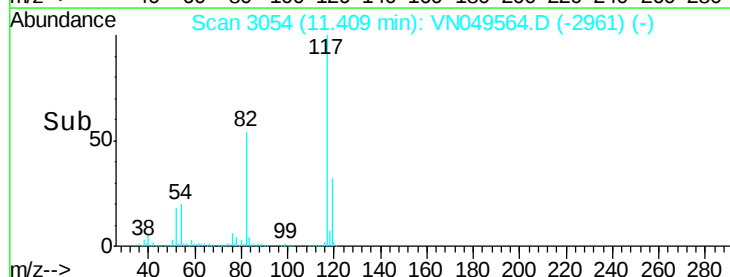
Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

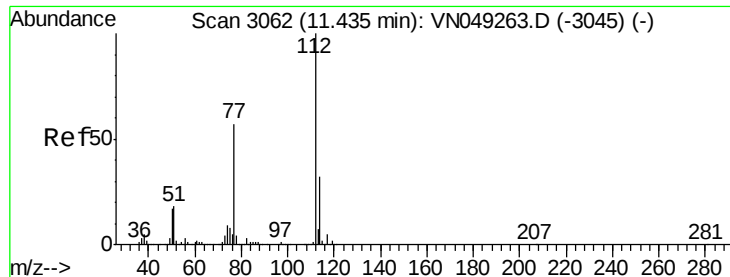
Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

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

11.41

Time-->





#65

Chlorobenzene

Concen: 0.21 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

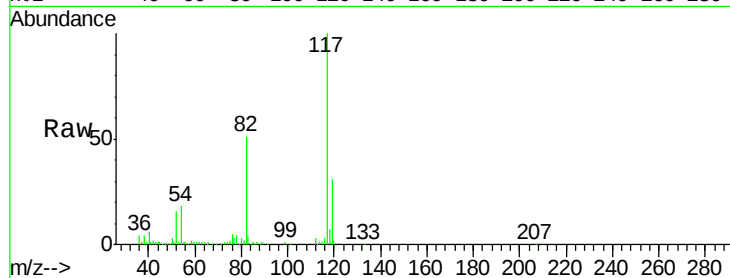
ClientSampleId :

Tot Ion:112 Resp: 8621

Ion Ratio Lower Upper

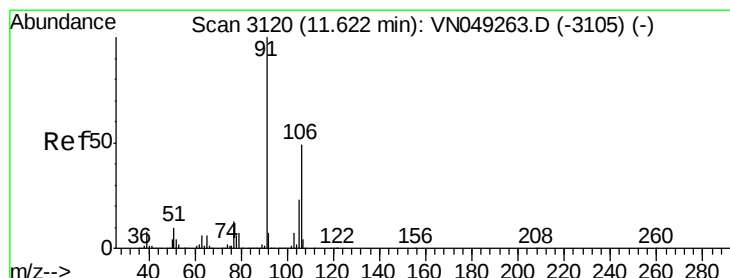
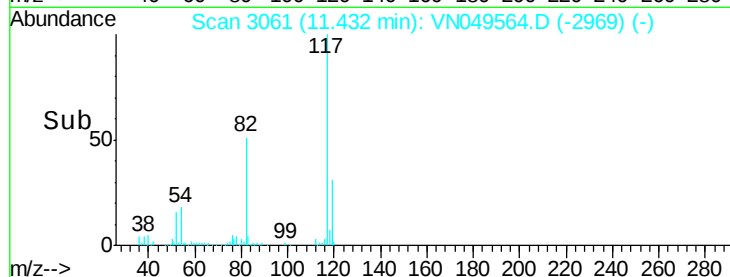
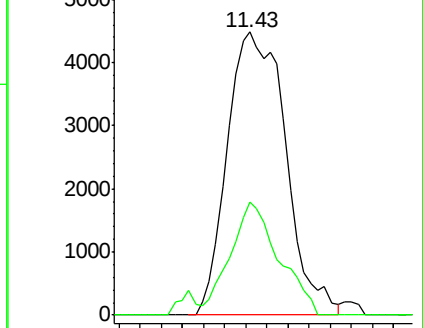
112 100

114 40.2 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.78 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049564.D

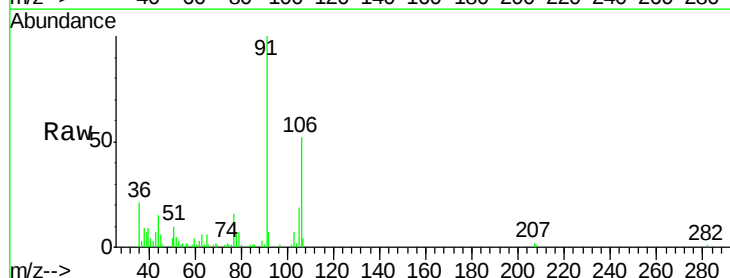
Acq: 26 Jun 2018 20:14

Tgt Ion:106 Resp: 19882

Ion Ratio Lower Upper

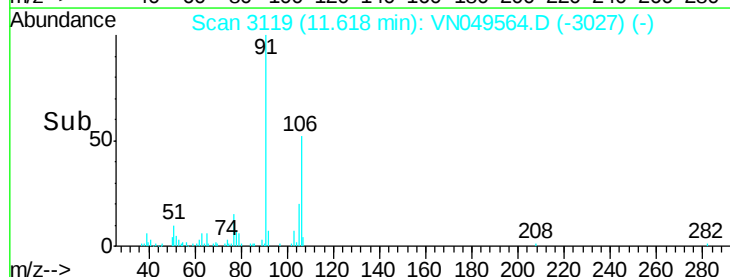
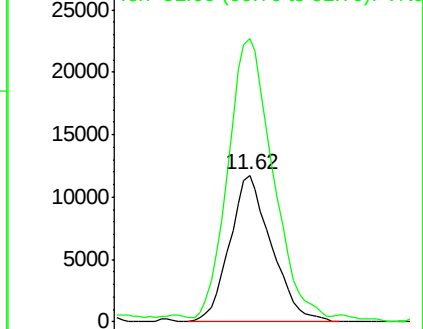
106 100

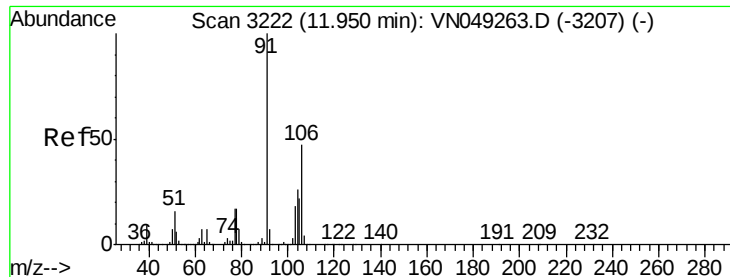
91 199.3 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

o-Xylene

Concen: 0.27 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

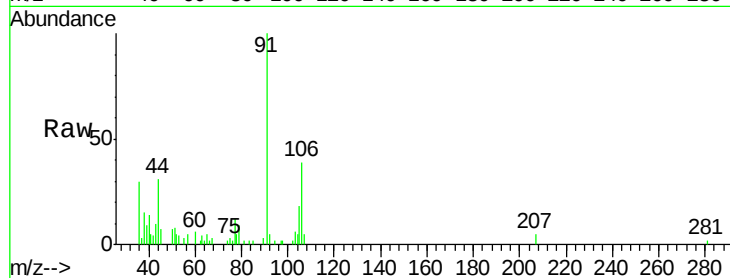
ClientSampled :

Tot Ion:106 Resp: 6647

Ion Ratio Lower Upper

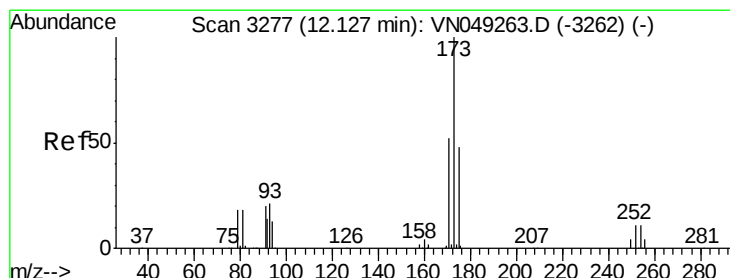
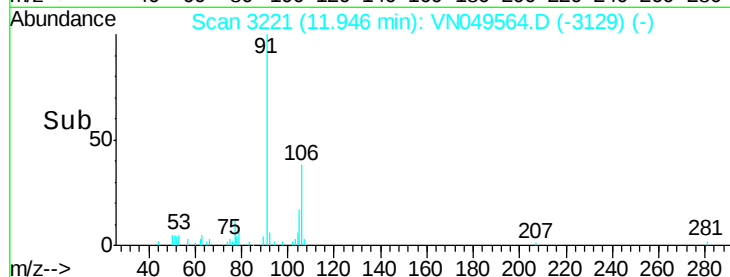
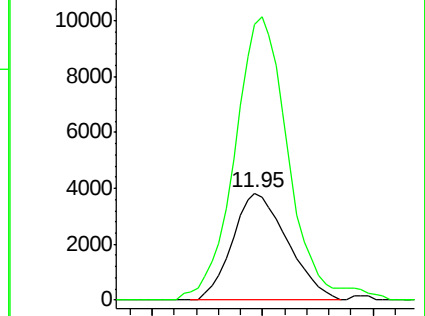
106 100

91 259.4 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.46 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

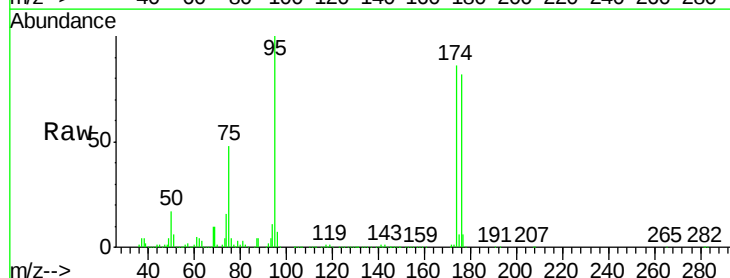
Tgt Ion:173 Resp: 4579

Ion Ratio Lower Upper

173 100

175 874.6 24.5 73.5#

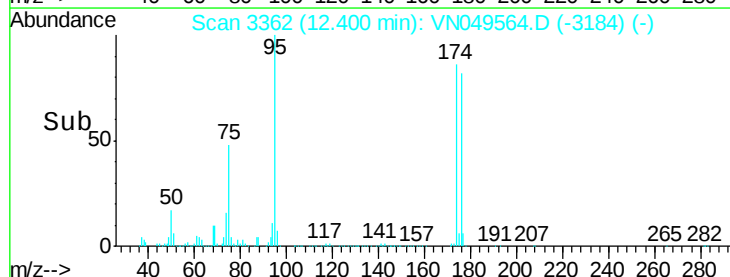
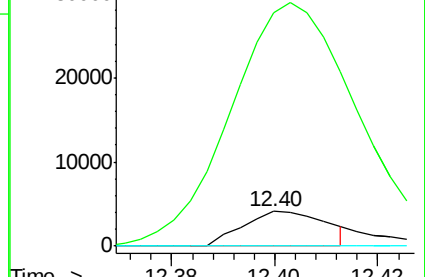
254 0.0 0.1 0.1#

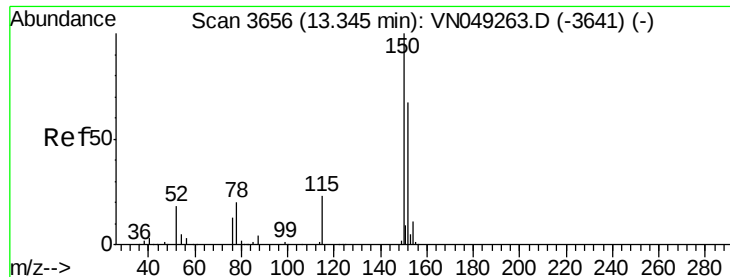


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

ClientSampleId :

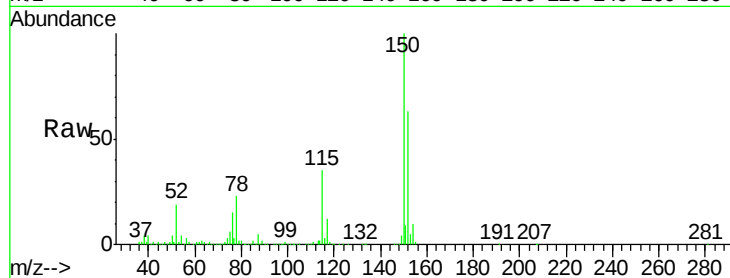
Tot Ion:152 Resp: 669719

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.1

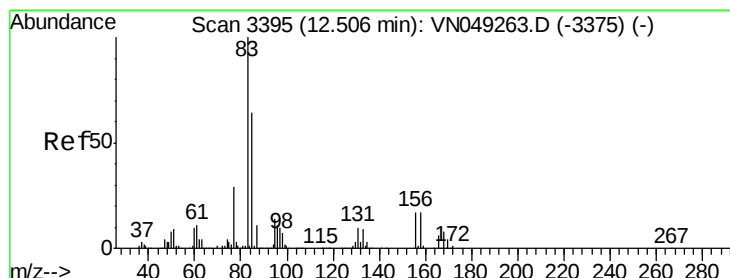
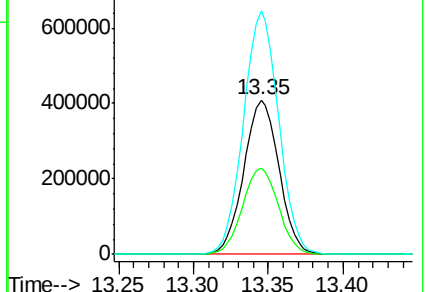
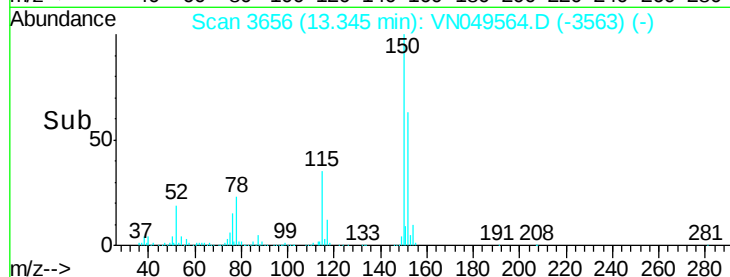
150 157.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

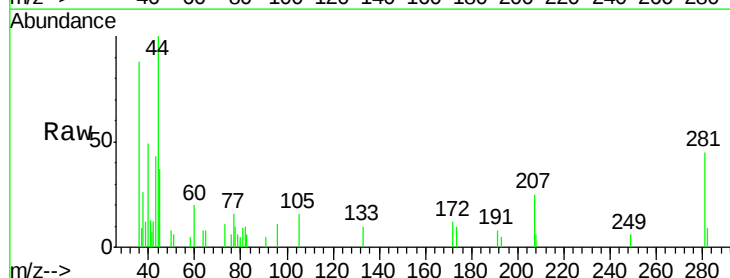
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

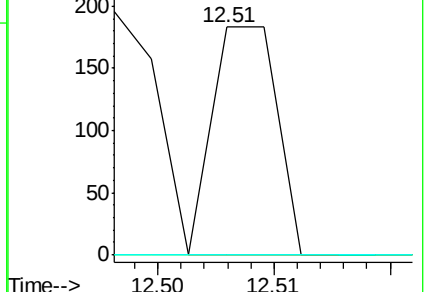
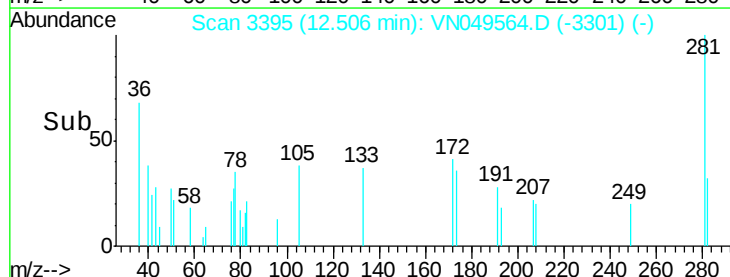
85 0.0 32.0 96.0#

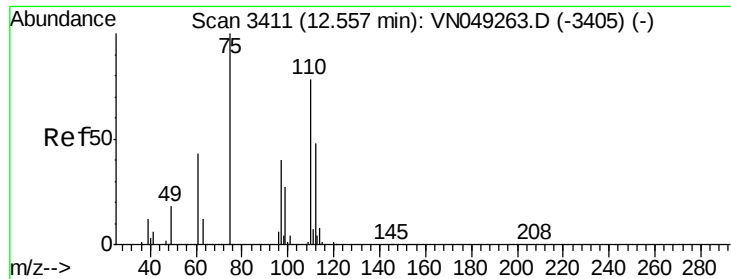


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

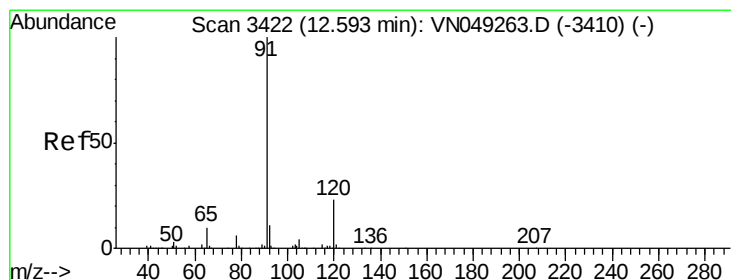
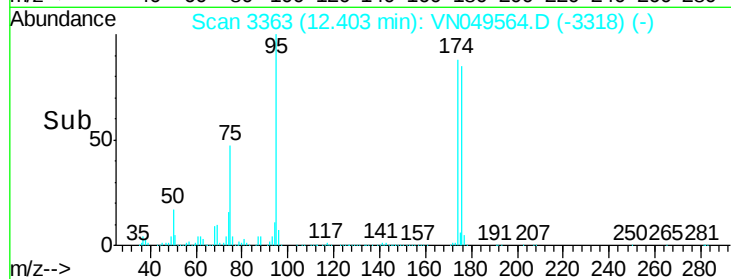
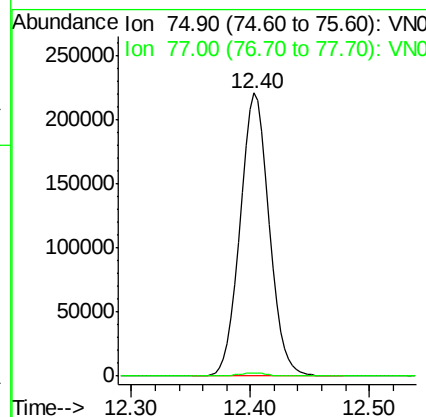
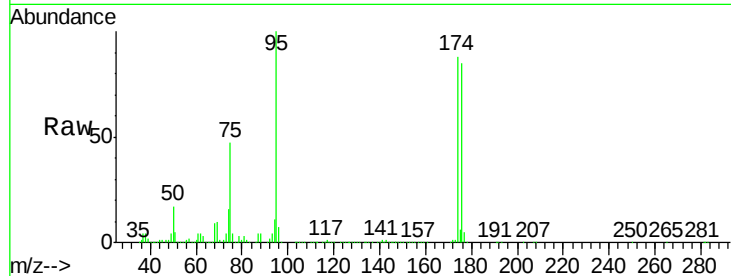




#76
 1,2,3-Trichloropropane
 Concen: 32.70 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049564.D
 Acq: 26 Jun 2018 20:14

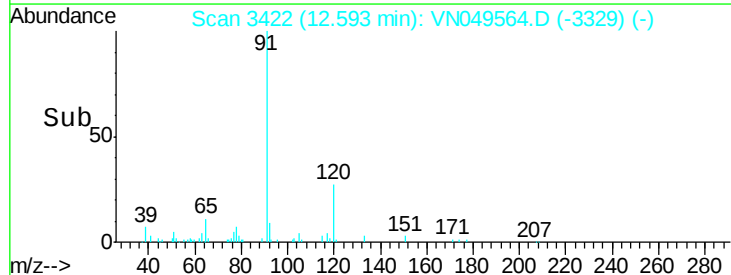
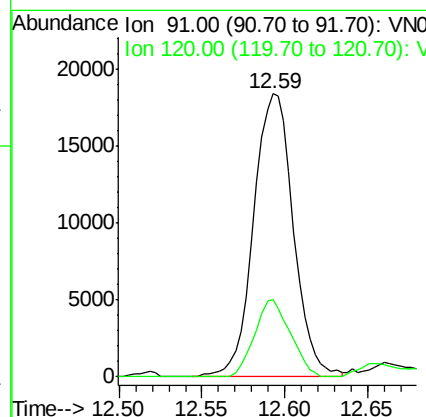
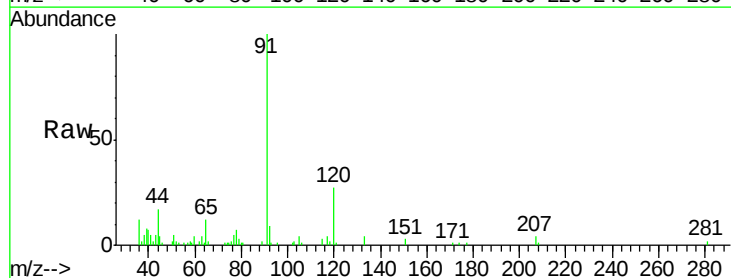
Instrument :
 MSVOA_N
 ClientSampled :

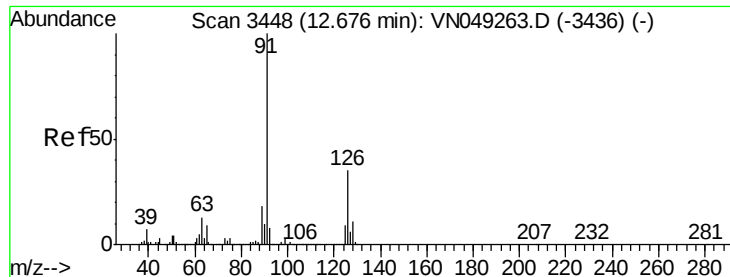
Tot Ion: 75 Resp: 373668
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.48 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN049564.D
 Acq: 26 Jun 2018 20:14

Tgt Ion: 91 Resp: 30728
 Ion Ratio Lower Upper
 91 100
 120 24.4 11.2 33.5





#79

2-Chlorotoluene

Concen: 0.75 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

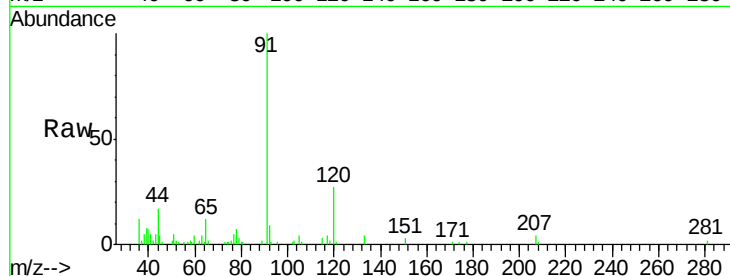
ClientSampleId :

Tot Ion: 91 Resp: 30728

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

20000

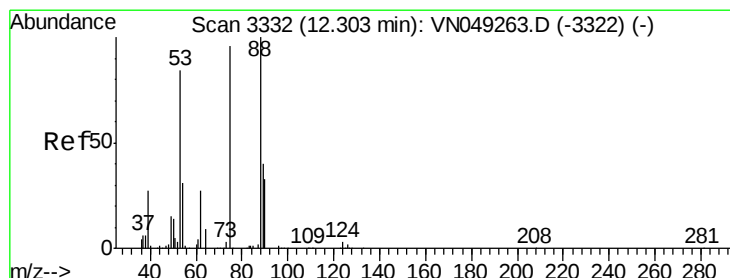
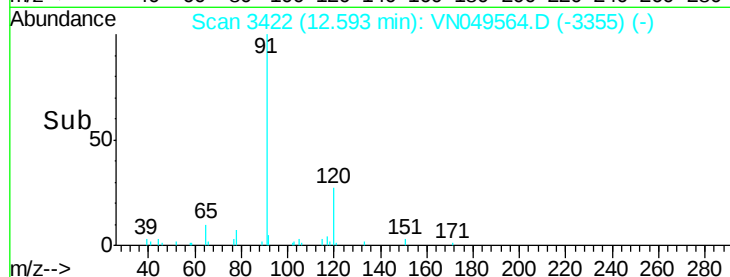
15000

10000

5000

0

Time--> 12.50 12.55 12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 103.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

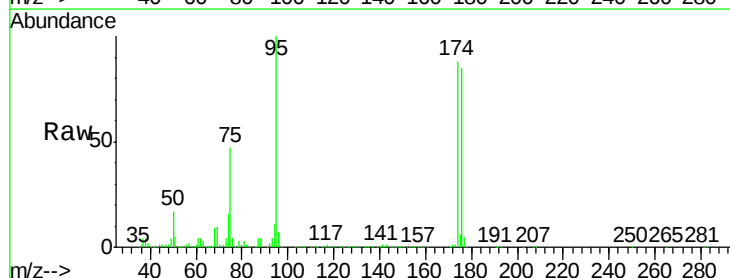
Tgt Ion: 75 Resp: 373668

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

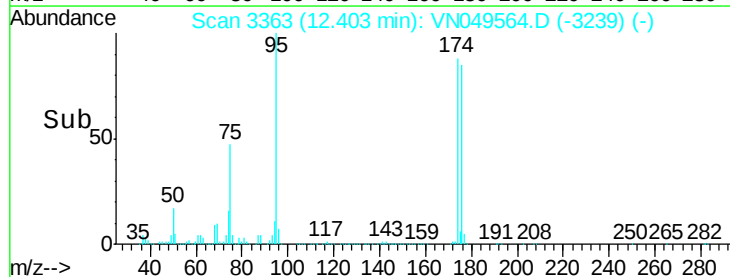
150000

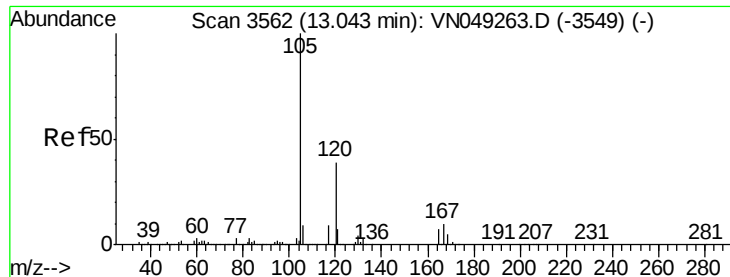
100000

50000

0

Time--> 12.30 12.40 12.50





#84

1,2,4-Trimethylbenzene

Concen: 0.33 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049564.D

Acq: 26 Jun 2018 20:14

Instrument :

MSVOA_N

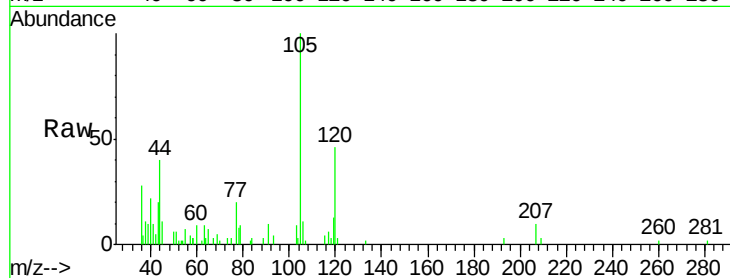
ClientSampled :

Tot Ion:105 Resp: 15092

Ion Ratio Lower Upper

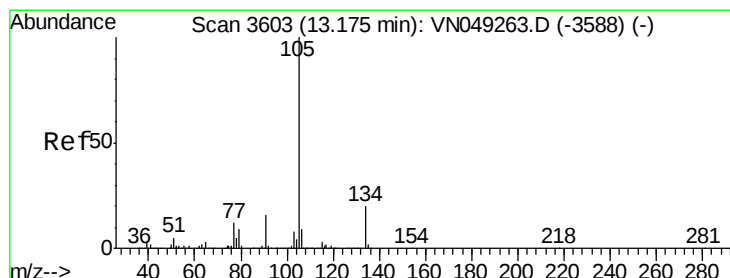
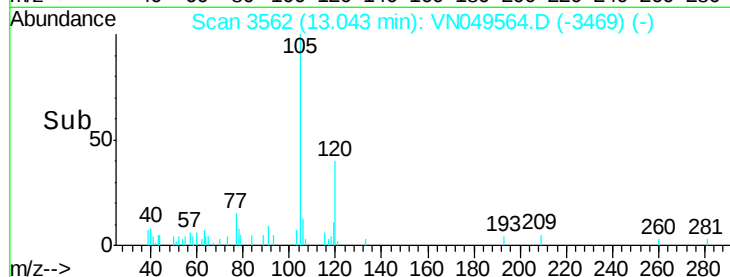
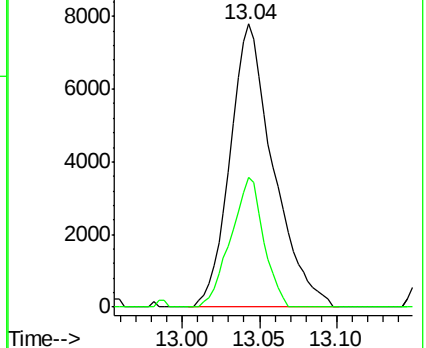
105 100

120 34.7 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: 0.33 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049564.D

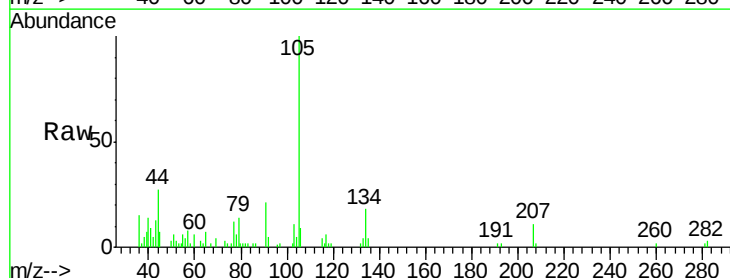
Acq: 26 Jun 2018 20:14

Tgt Ion:105 Resp: 18246

Ion Ratio Lower Upper

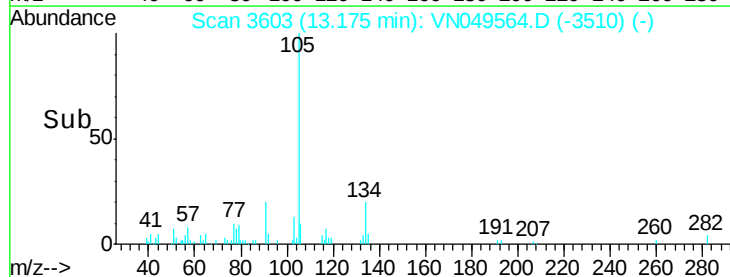
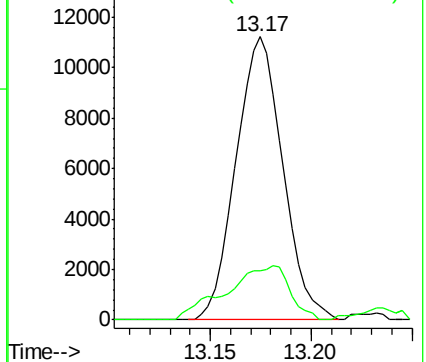
105 100

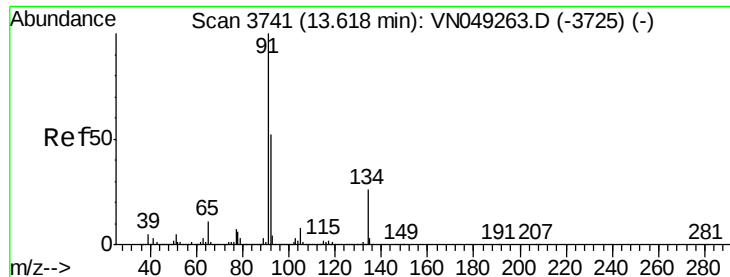
134 25.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

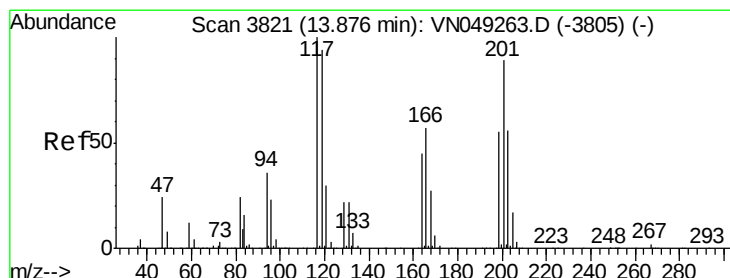
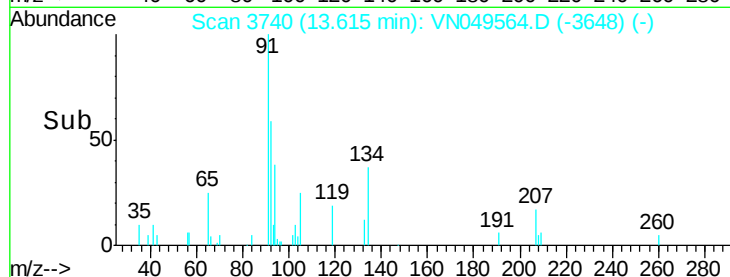
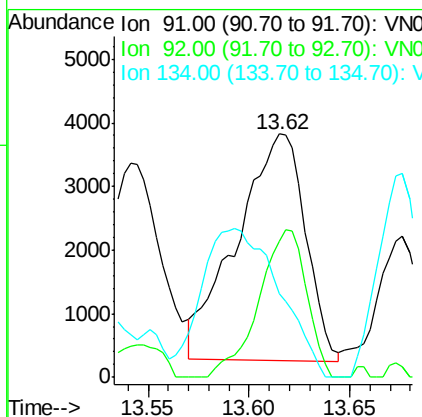
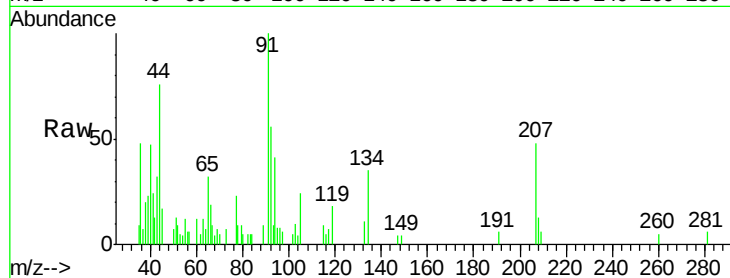




#89
n-Butylbenzene
Concen: 0.24 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

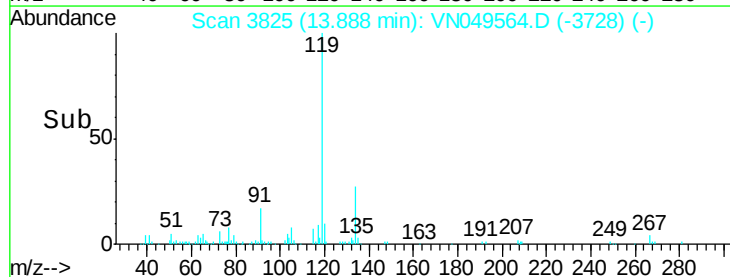
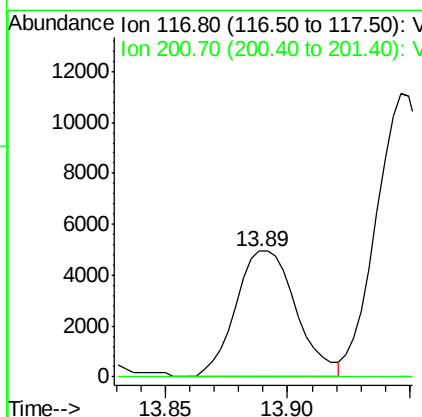
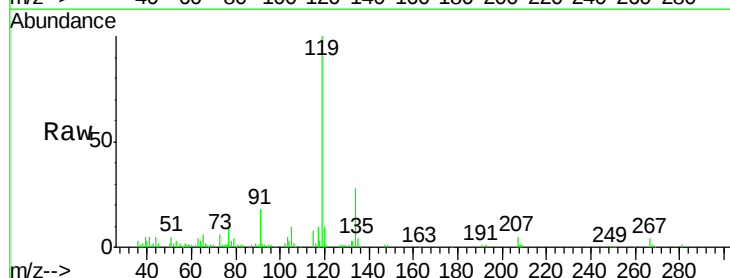
Instrument :
MSVOA_N
ClientSampled :

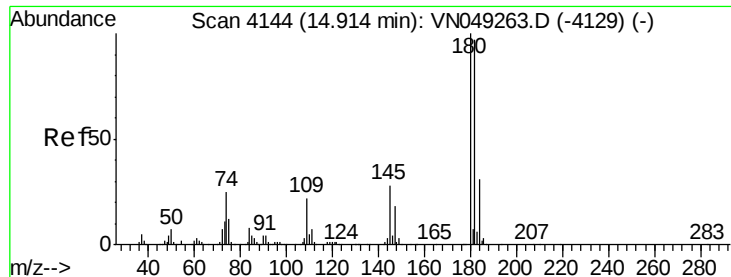
Tot Ion: 91 Resp: 8387
Ion Ratio Lower Upper
91 100
92 45.5 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3825
Delta R.T. 0.01 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion: 117 Resp: 8534
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

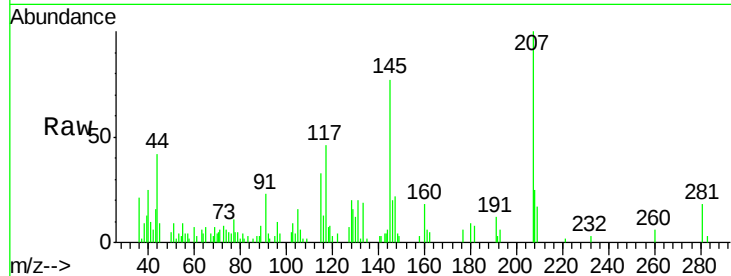




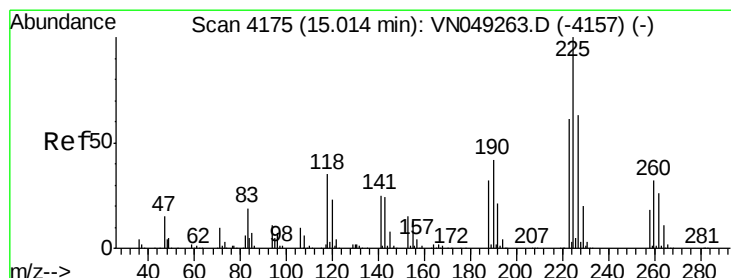
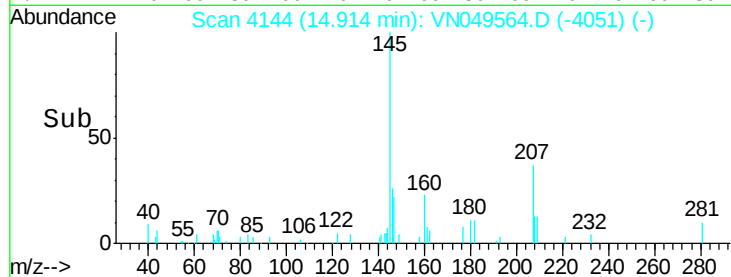
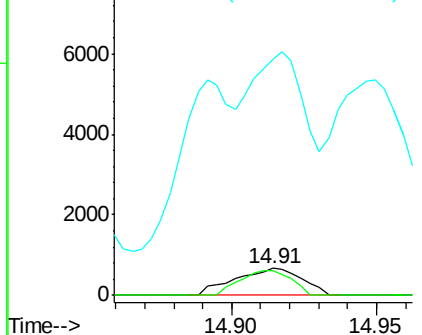
#93
 1,2,4-Trichlorobenzene
 Concen: 4.83 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049564.D
 Acq: 26 Jun 2018 20:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1076
 Ion Ratio Lower Upper
 180 100
 182 70.1 46.9 140.8
 145 0.0 14.7 44.1#

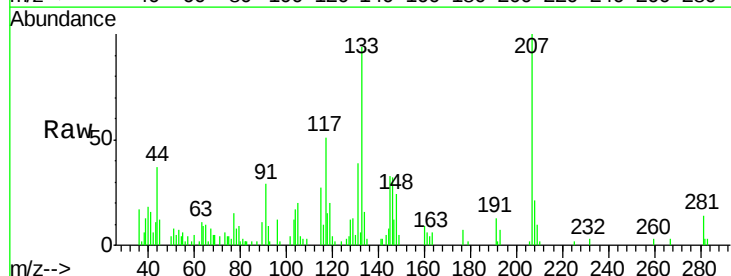


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

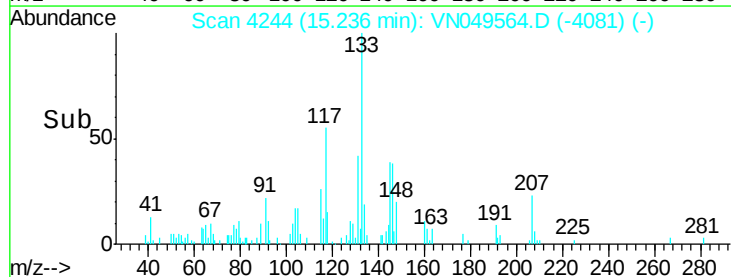
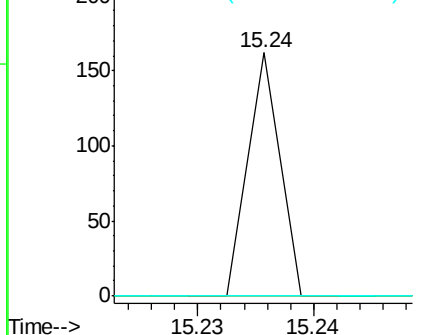


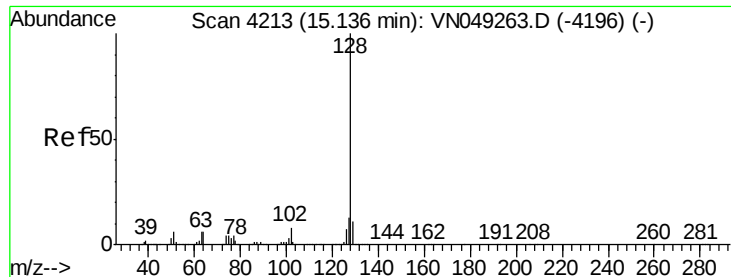
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.24 min Scan# 4244
 Delta R.T. 0.22 min
 Lab File: VN049564.D
 Acq: 26 Jun 2018 20:14

Tgt Ion:225 Resp: 31
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 0.0 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

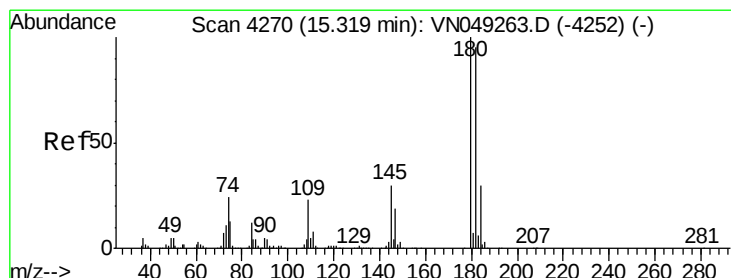
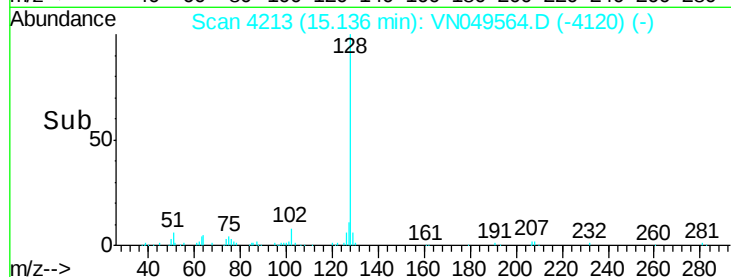
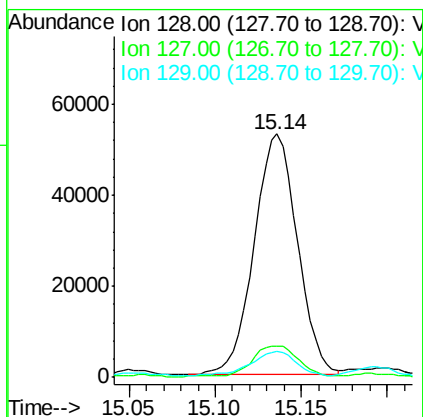
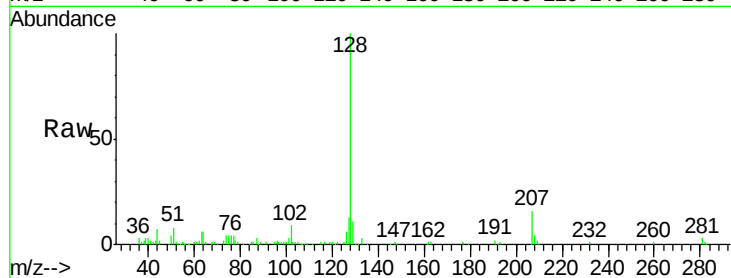




#95
Naphthalene
Concen: 6.98 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 92118
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.51 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049564.D
Acq: 26 Jun 2018 20:14

Tgt Ion:180 Resp: 651
Ion Ratio Lower Upper
180 100
182 45.8 47.3 141.8#
145 0.0 15.6 46.7#

