

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049295.D
 Acq On : 16 Jun 2018 7:43
 Operator : MD\SY
 Sample : J3505-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:13:24 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	1348432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2145493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1675748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538305	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	882414	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	7.59	113	783584	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	
50) Toluene-d8	10.09	98	2912439	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
62) 4-Bromofluorobenzene	12.40	95	715724	32.75	ug/l	0.00
Spiked Amount			Recovery	=	65.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	3344	0.30	ug/l #	77
11) Tert butyl alcohol	4.75	59	431	0.41	ug/l #	70
13) Acrolein	3.62	56	420	0.38	ug/l #	55
14) Allyl chloride	4.56	41	103136	4.22	ug/l #	20
16) Acetone	3.82	43	59590	13.72	ug/l	90
18) Methyl Acetate	4.33	43	113487	8.57	ug/l	93
20) Methylene Chloride	4.55	84	2987838	164.74	ug/l	91
25) 2-Butanone	6.85	43	16637	2.85	ug/l	94
29) Tetrahydrofuran	7.22	42	1141	0.30	ug/l #	60
30) Chloroform	7.38	83	21512	0.69	ug/l	86
31) Cyclohexane	7.67	56	24823	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	95906	3.90	ug/l #	50
37) Ethyl Acetate	6.85	43	16637	1.24	ug/l #	77
38) Carbon Tetrachloride	7.67	117	119144	4.68	ug/l #	17
43) Isopropyl Acetate	8.21	43	413703	16.20	ug/l #	64
47) Bromodichloromethane	9.40	83	9371	0.37	ug/l #	88
49) 1,4-Dioxane	9.21	88	233	1.40	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	17274	1.29	ug/l	96
52) Toluene	10.16	92	11725	0.26	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.72	63	32	14.33	ug/l #	51
65) Chlorobenzene	11.44	112	11188	0.26	ug/l	99
68) m/p-Xylenes	11.62	106	13160	0.49	ug/l	94
73) Isopropylbenzene	12.25	105	16904	0.36	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	121	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	344599	37.52	ug/l #	100
77) Bromobenzene	12.58	156	48556	3.89	ug/l #	1
78) n-propylbenzene	12.59	91	42295	0.81	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	16139	0.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	344599	118.58	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	47820	1.30	ug/l	98
85) sec-Butylbenzene	13.17	105	21750	0.50	ug/l #	75
86) p-Isopropyltoluene	13.44	119	7963	0.22	ug/l	94
89) n-Butylbenzene	13.62	91	11008	0.39	ug/l #	81
90) Hexachloroethane	13.89	117	9164	Below Cal	#	9

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

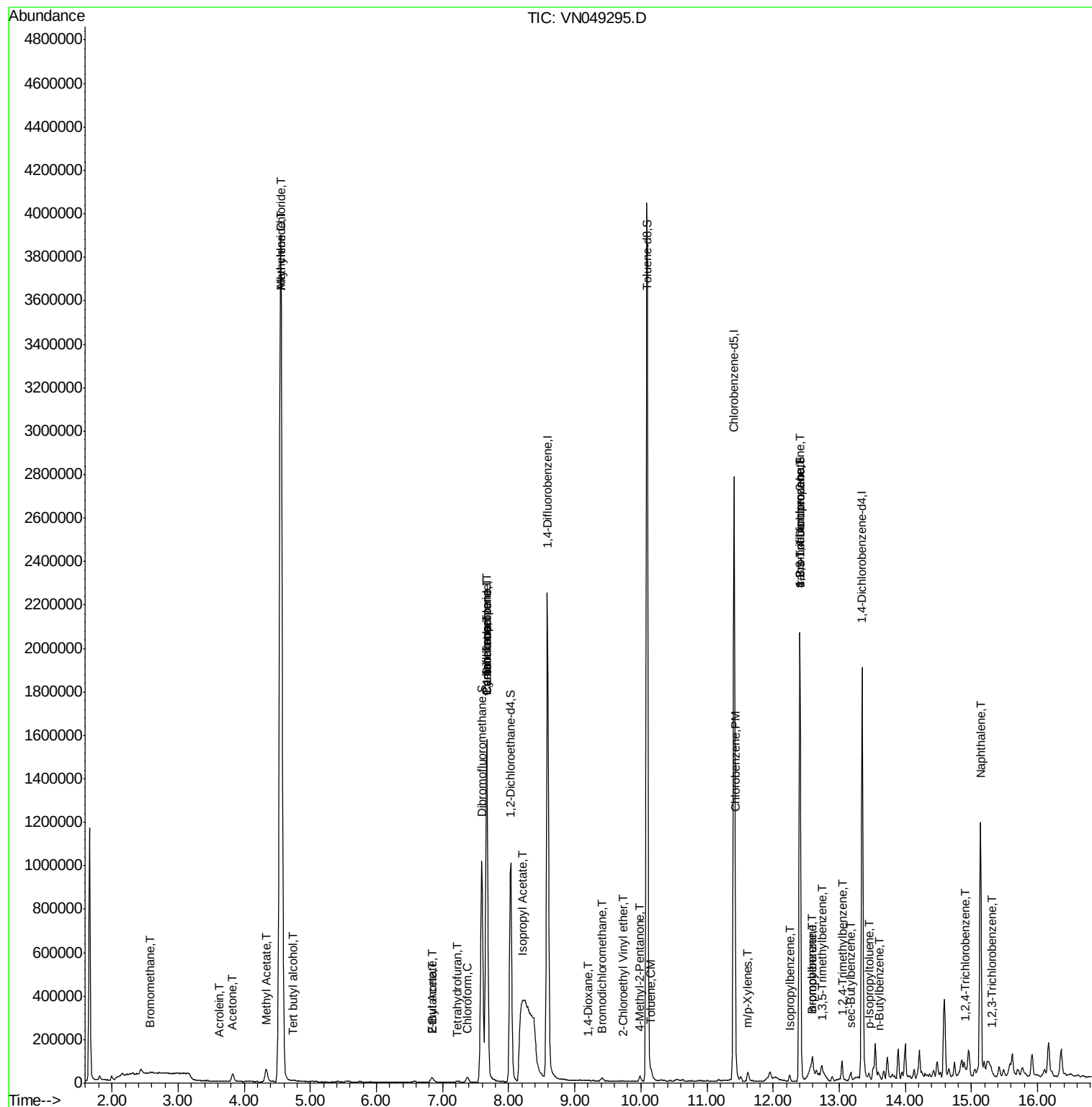
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2504	4.99	ug/l #	1
94) Hexachlorobutadiene	15.01	225	259	Below Cal	#	57
95) Naphthalene	15.14	128	1019438	60.17	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1300	3.59	ug/l #	65

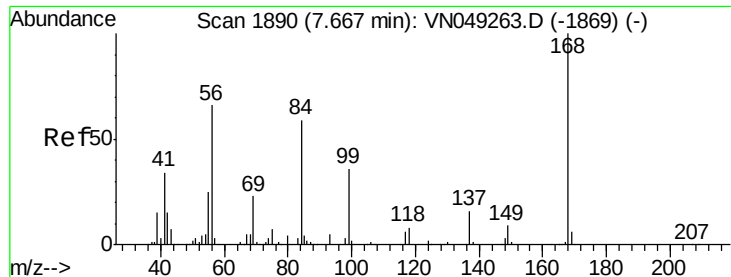
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

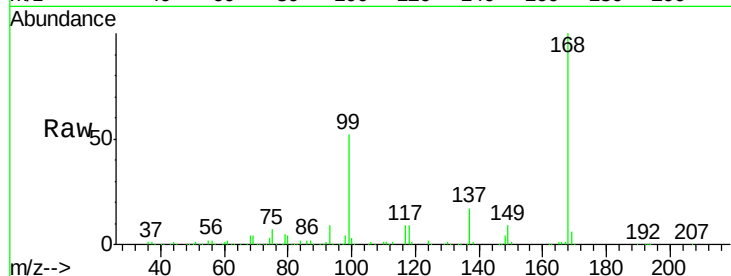
ClientSampleId :

Tot Ion:168 Resp: 1348432

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

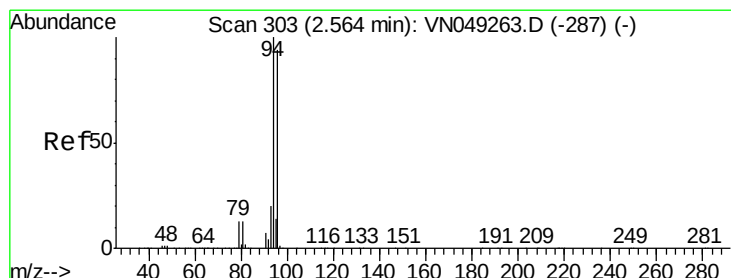
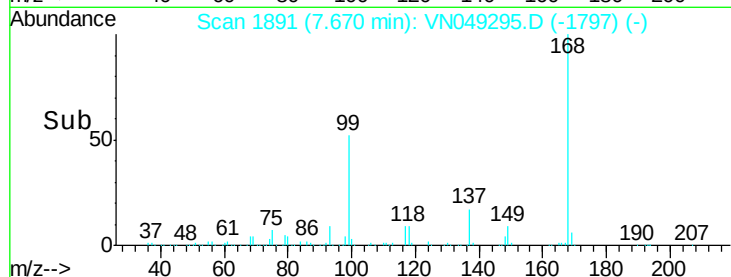
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.30 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049295.D

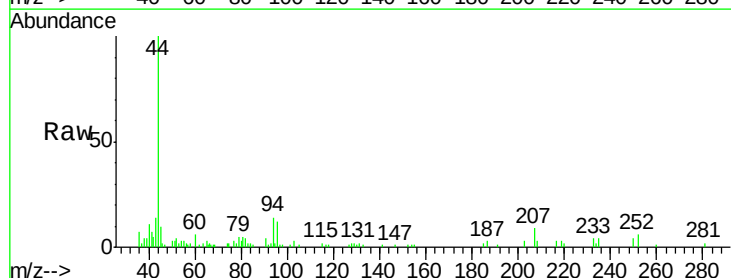
Acq: 16 Jun 2018 7:43

Tgt Ion: 94 Resp: 3344

Ion Ratio Lower Upper

94 100

96 69.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

2000

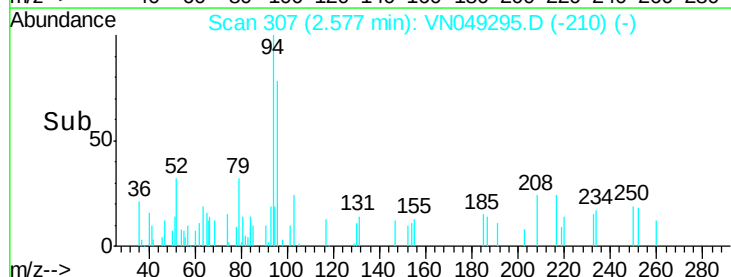
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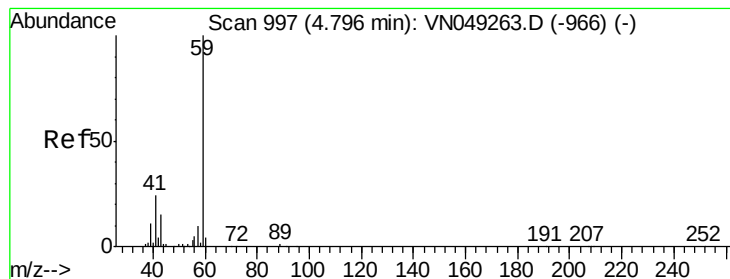
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Time-->



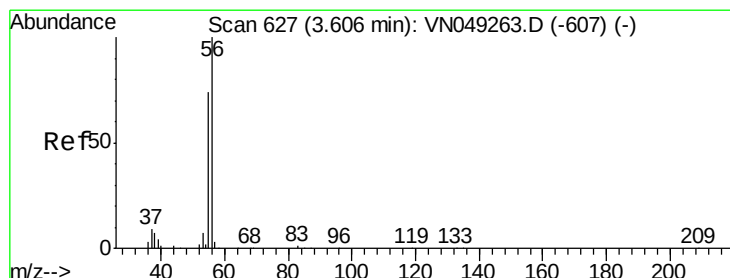
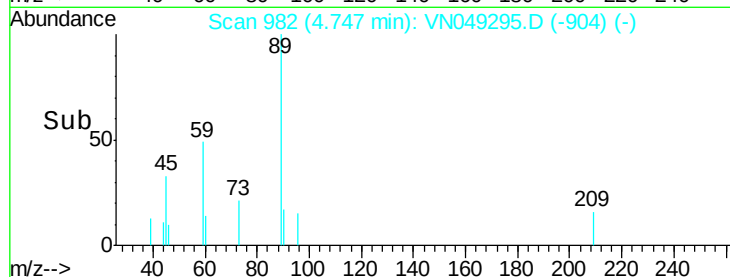
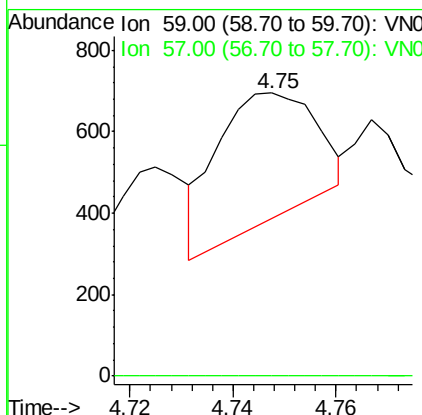
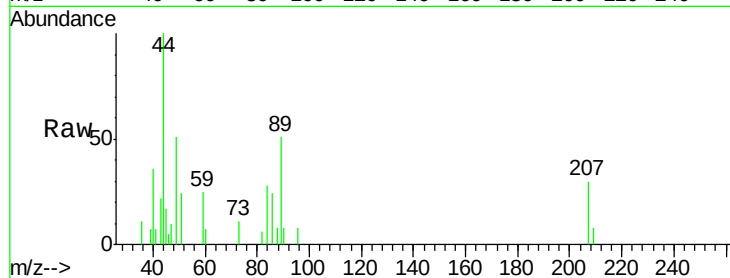


#11

Tert butyl alcohol
 Concen: 0.41 ug/l
 RT: 4.75 min Scan# 982
 Delta R.T. -0.05 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

Instrument :
 MSVOA_N
 ClientSampled :

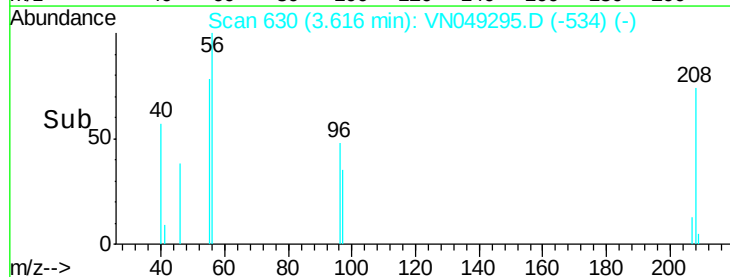
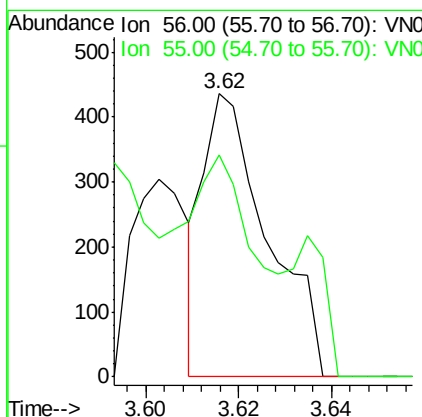
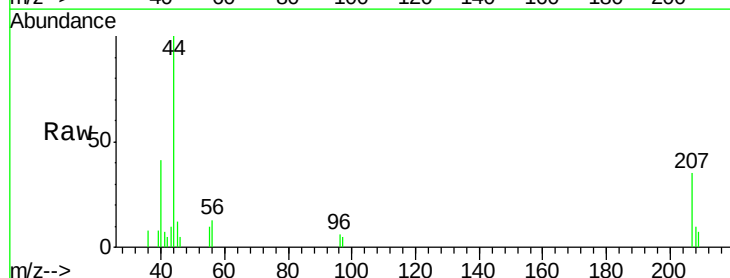
Tot Ion: 59 Resp: 431
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

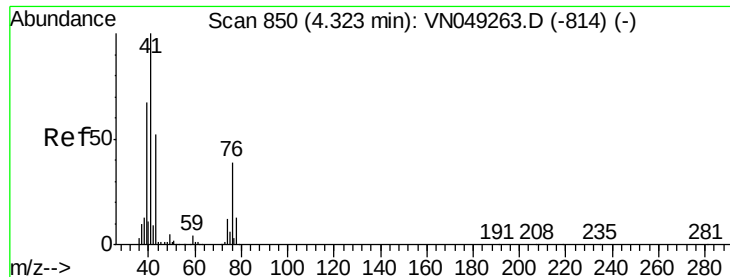


#13

Acrolein
 Concen: 0.38 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

Tgt Ion: 56 Resp: 420
 Ion Ratio Lower Upper
 56 100
 55 33.8 57.1 85.7#

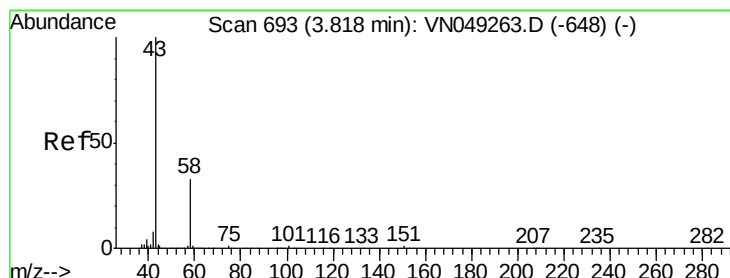
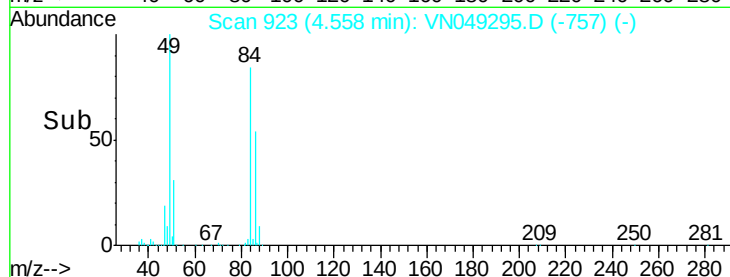
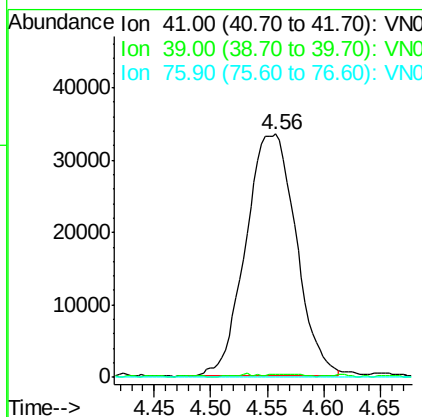
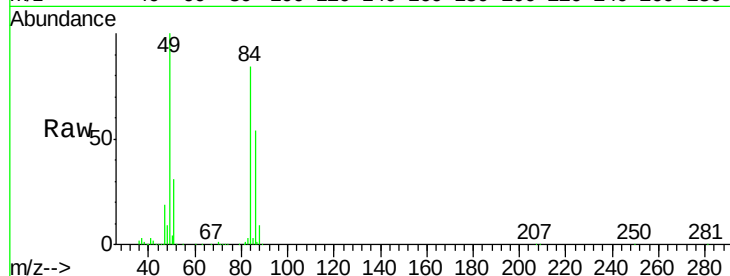




#14
Allvl chloride
Concen: 4.22 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.23 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

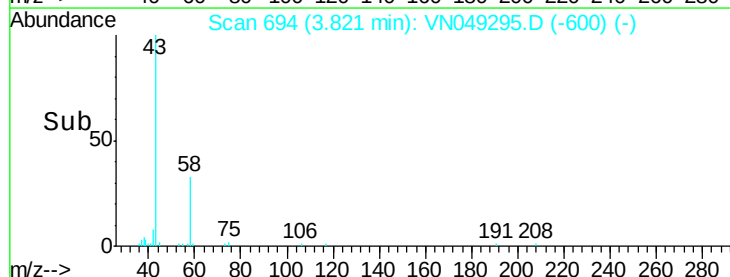
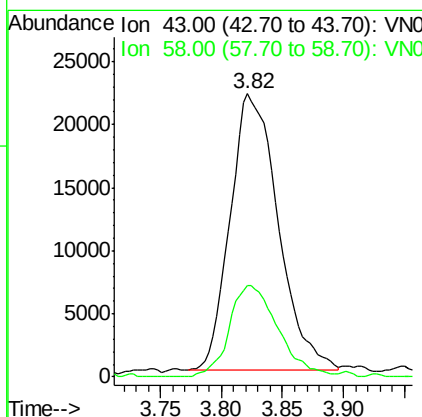
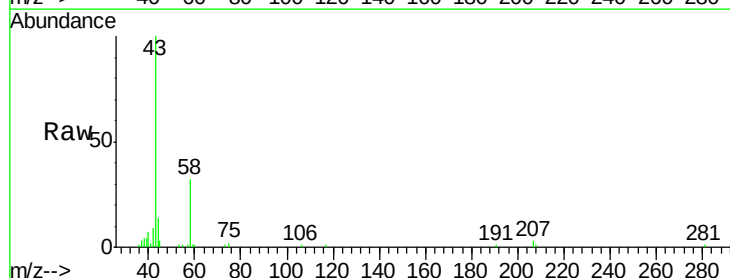
Instrument :
MSVOA_N
ClientSampleId :

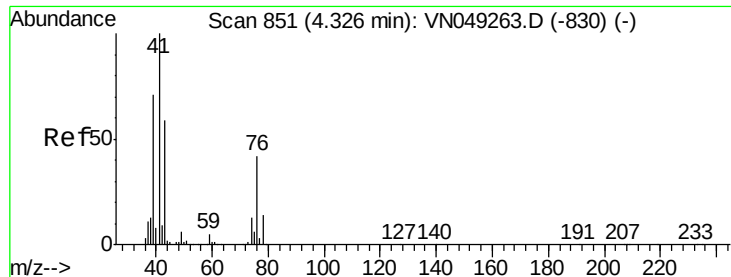
Tot Ion: 41 Resp: 103136
Ion Ratio Lower Upper
41 100
39 0.9 62.5 93.7#
76 0.0 27.1 40.7#



#16
Acetone
Concen: 13.72 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion: 43 Resp: 59590
Ion Ratio Lower Upper
43 100
58 33.1 22.4 33.6

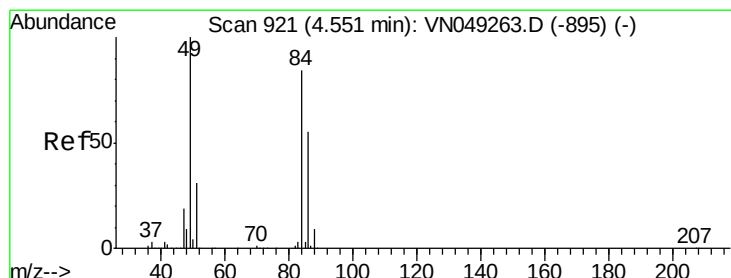
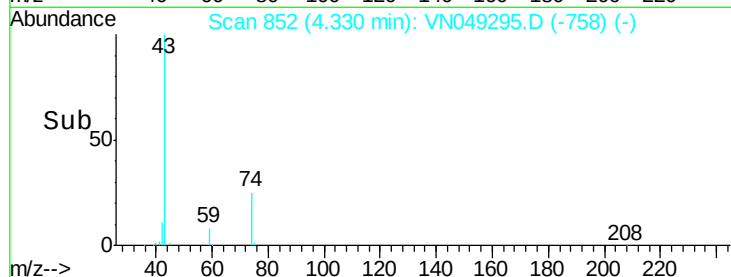
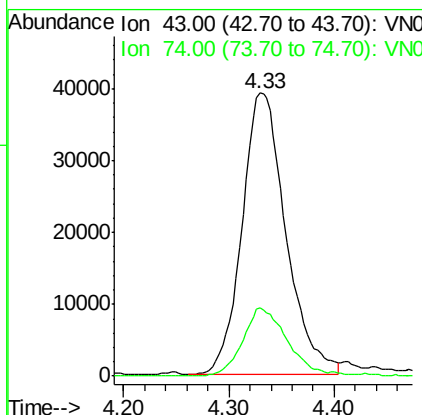
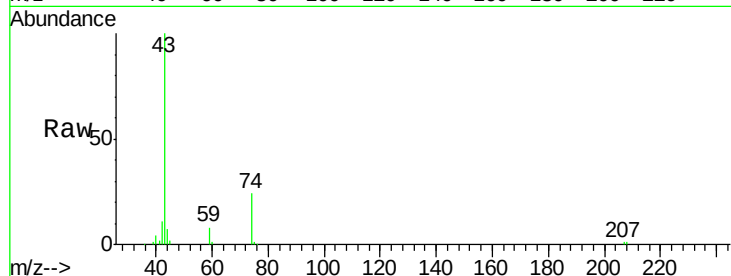




#18
Methvl Acetate
Concen: 8.57 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

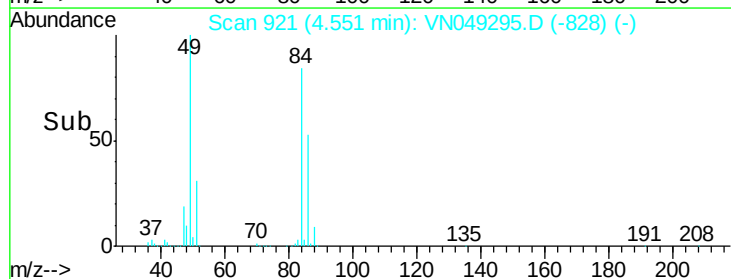
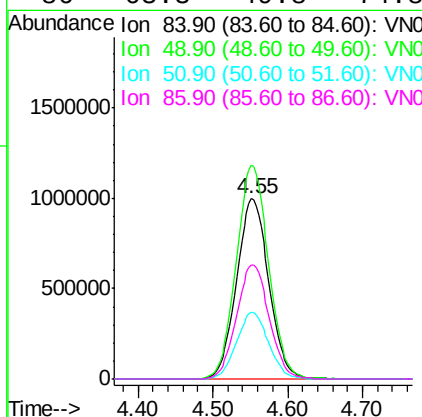
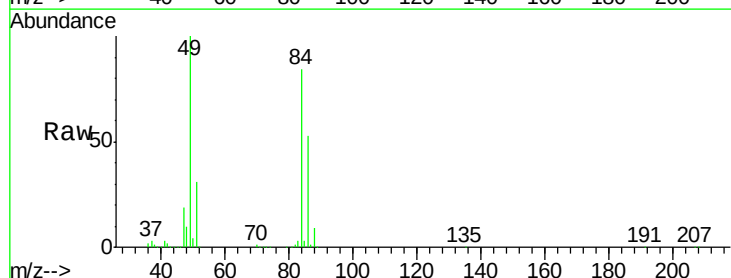
Instrument :
MSVOA_N
ClientSampled :

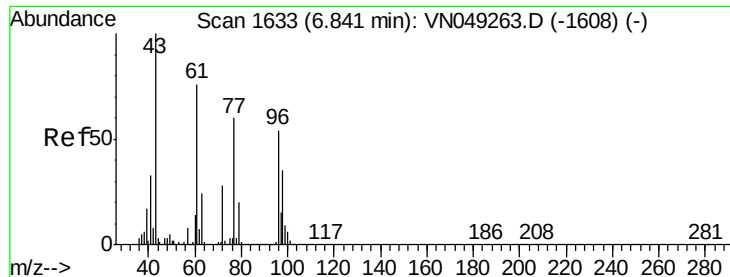
Tot Ion: 43 Resp: 113487
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0



#20
Methylene Chloride
Concen: 164.74 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion: 84 Resp: 2987838
Ion Ratio Lower Upper
84 100
49 118.7 106.9 160.3
51 36.8 32.7 49.1
86 63.3 49.8 74.8

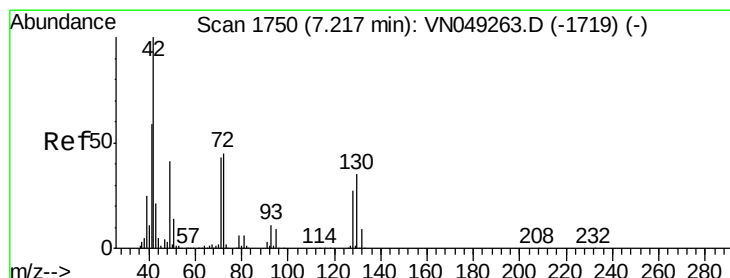
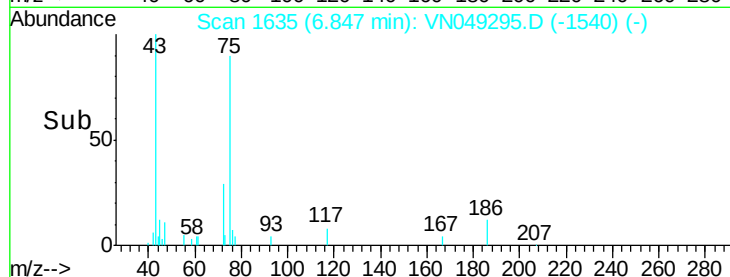
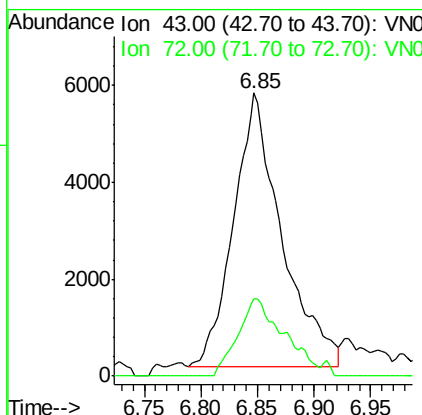
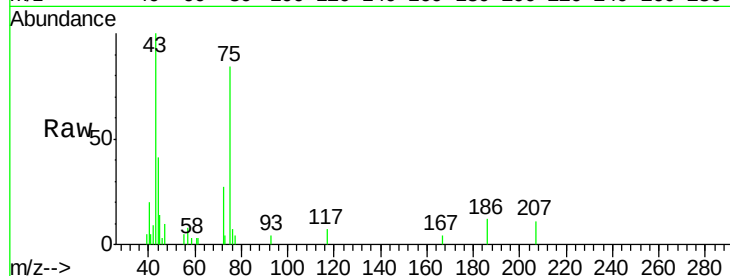




#25
2-Butanone
Concen: 2.85 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

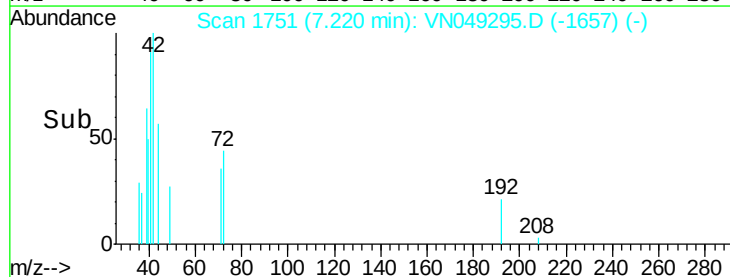
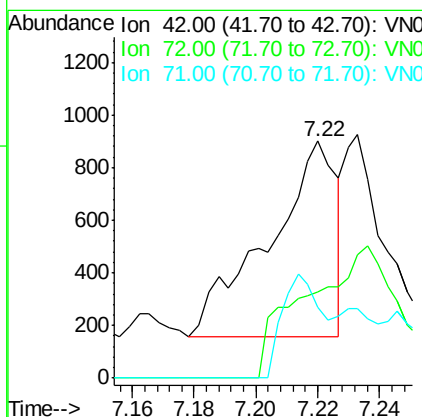
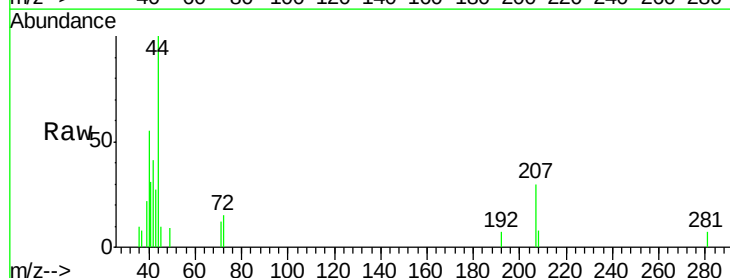
Instrument :
MSVOA_N
ClientSampled :

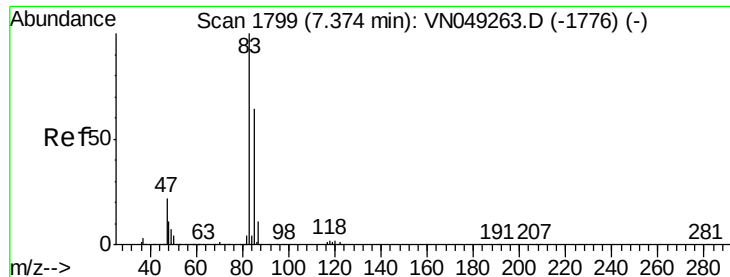
Tot Ion: 43 Resp: 16637
Ion Ratio Lower Upper
43 100
72 28.3 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion: 42 Resp: 1141
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 30.0 30.5 45.7#

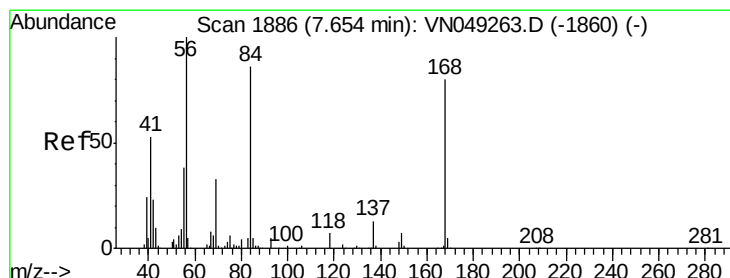
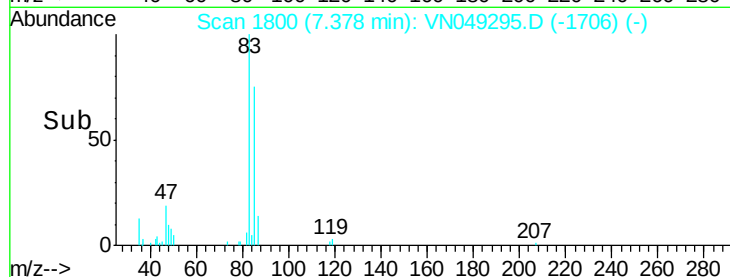
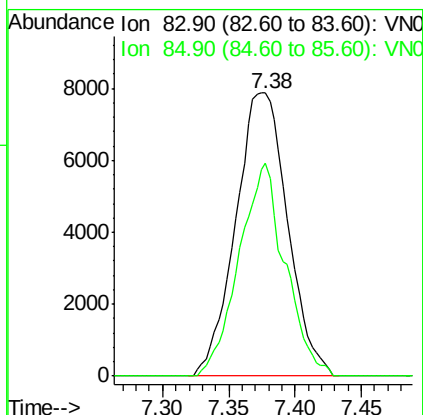
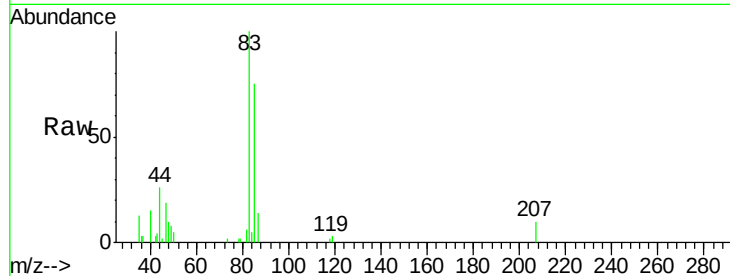




#30
Chloroform
Concen: 0.69 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

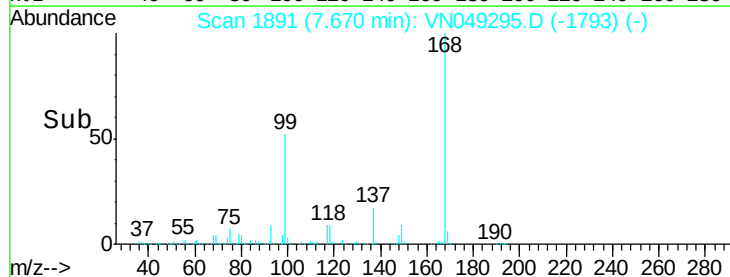
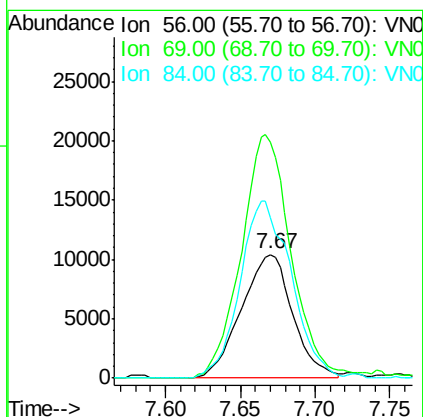
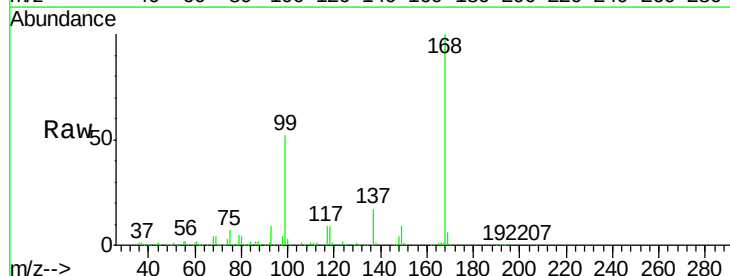
Instrument :
MSVOA_N
ClientSampleId :

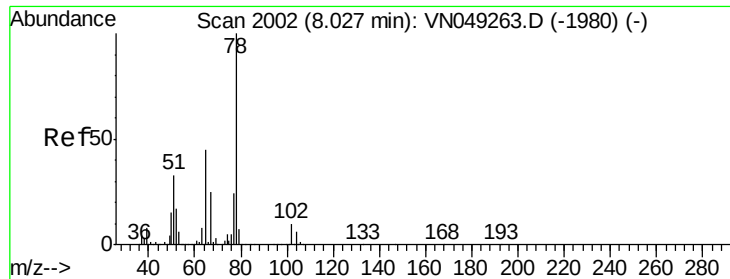
Tot Ion: 83 Resp: 21512
Ion Ratio Lower Upper
83 100
85 75.3 51.7 77.5



#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion: 56 Resp: 24823
Ion Ratio Lower Upper
56 100
69 191.0 25.0 37.4#
84 130.5 64.6 96.8#

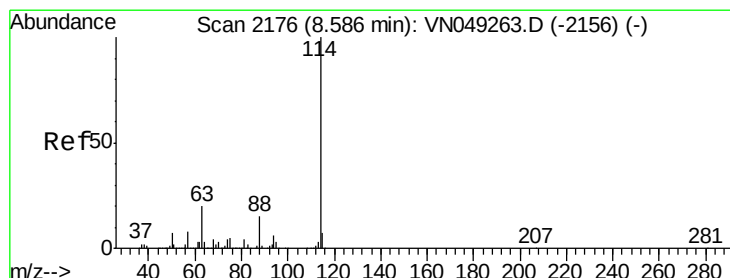
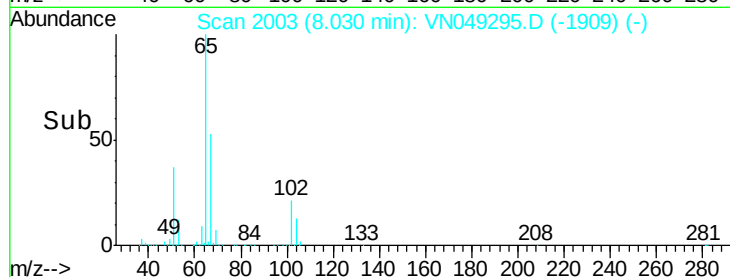
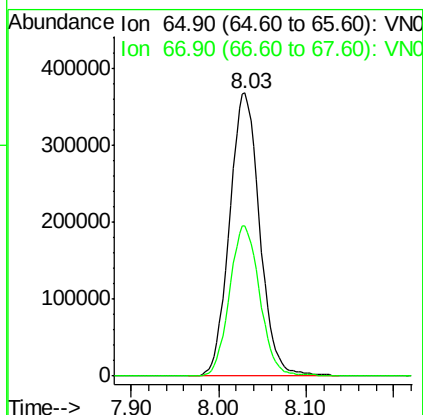
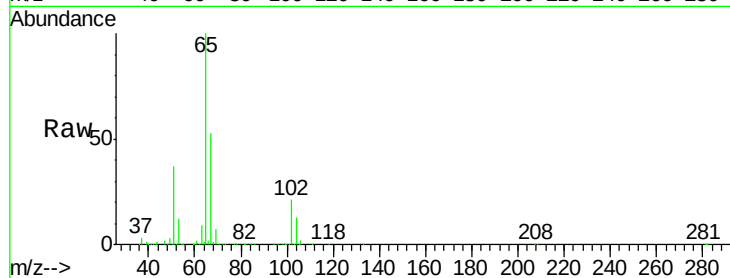




#33
 1,2-Dichloroethane-d4
 Concen: 49.34 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

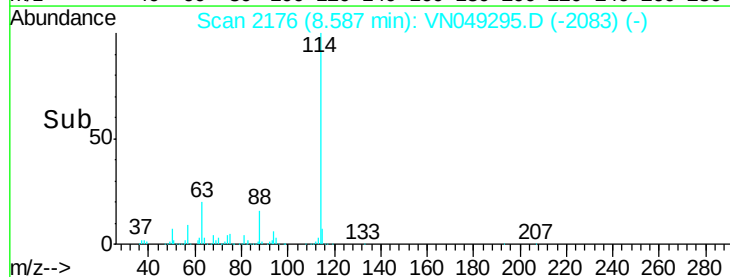
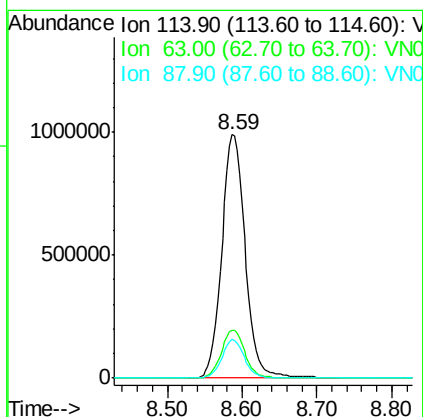
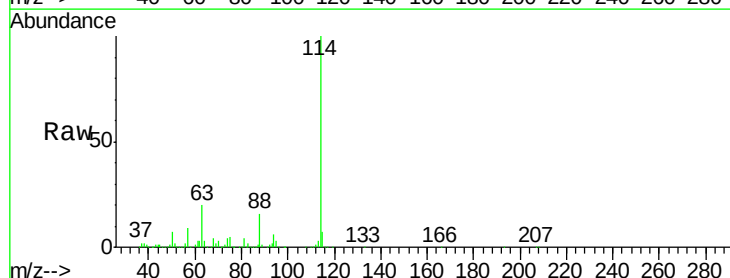
Instrument :
 MSVOA_N
 ClientSampleId :

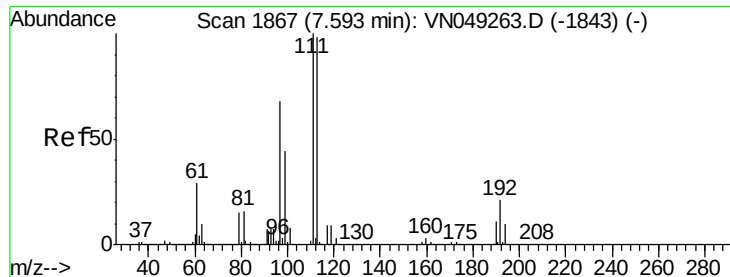
Tot Ion: 65 Resp: 882414
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

Tgt Ion: 114 Resp: 2145493
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.7 0.0 31.4

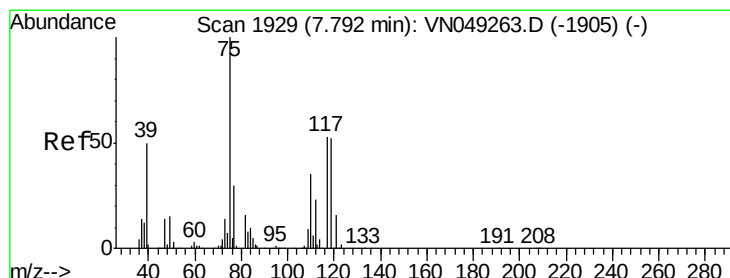
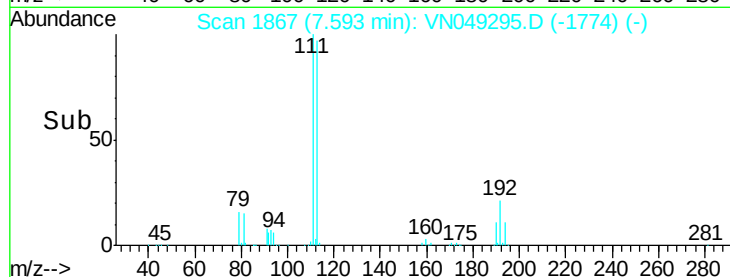
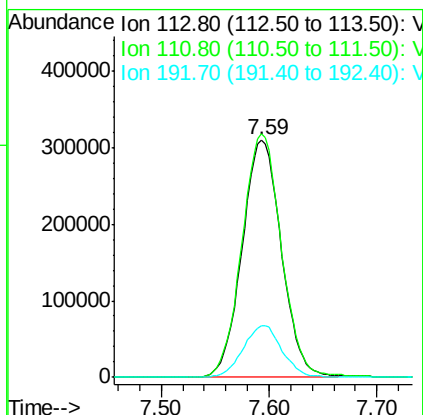
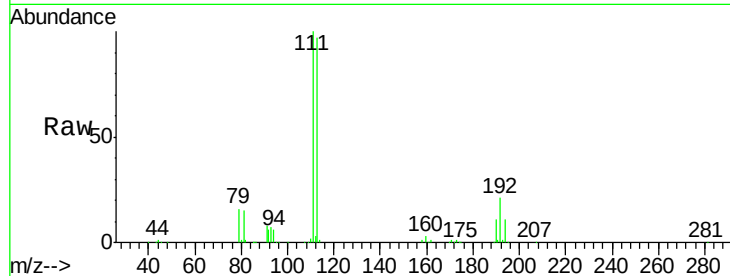




#35
 Dibromofluoromethane
 Concen: 45.14 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

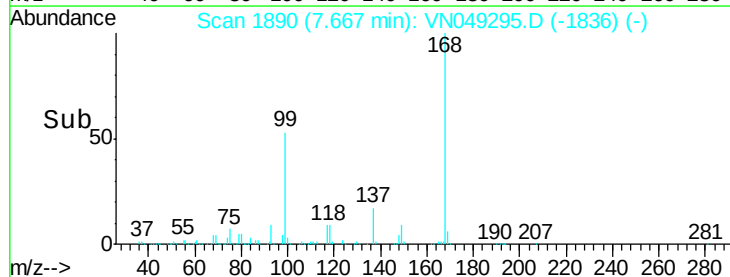
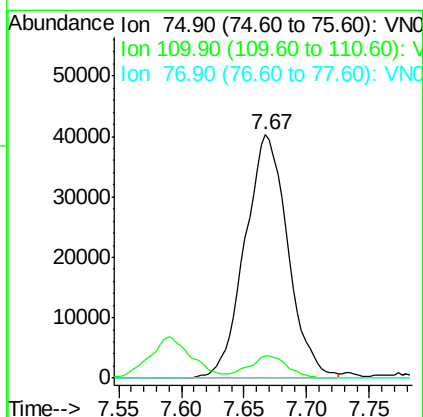
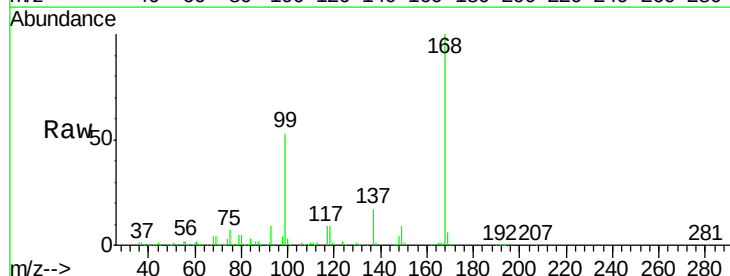
Instrument :
 MSVOA_N
 ClientSampleId :

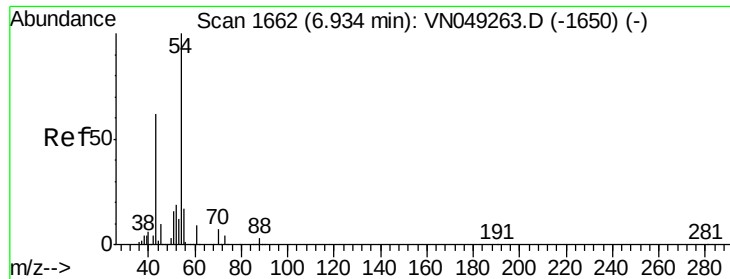
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	21.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.0	50.9#
77	0.0	24.4	36.6#

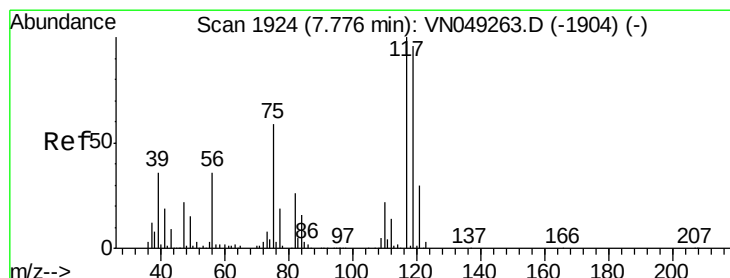
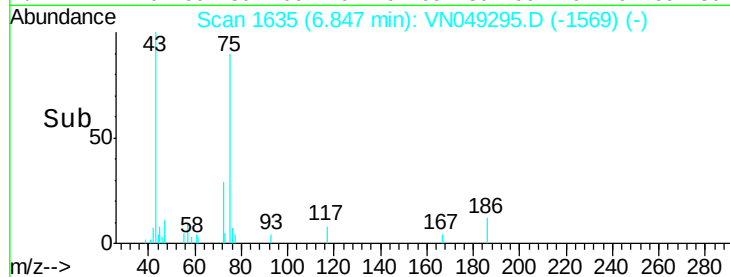
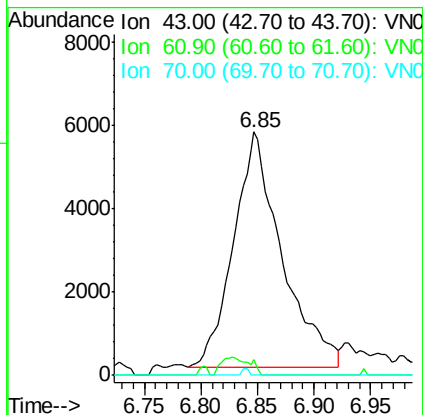
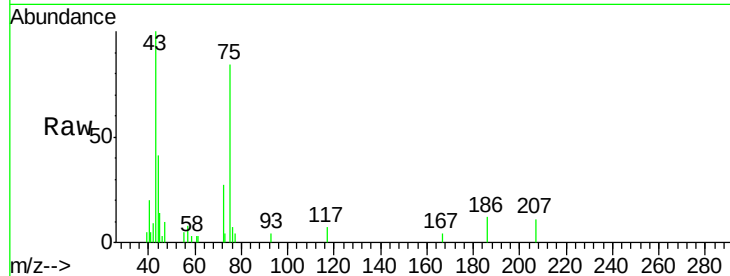




#37
Ethyl Acetate
Concen: 1.24 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

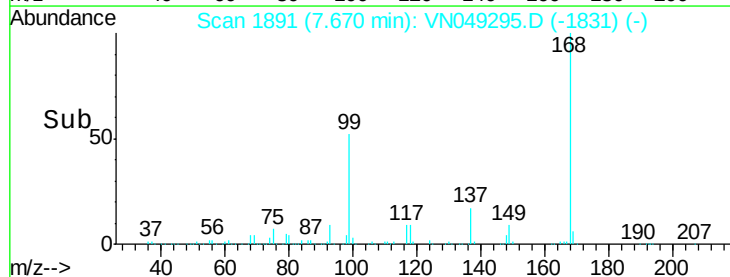
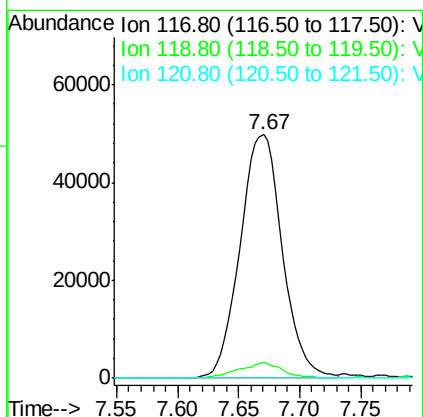
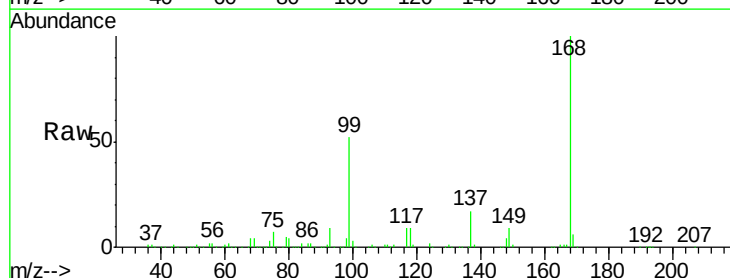
Instrument :
MSVOA_N
ClientSampled :

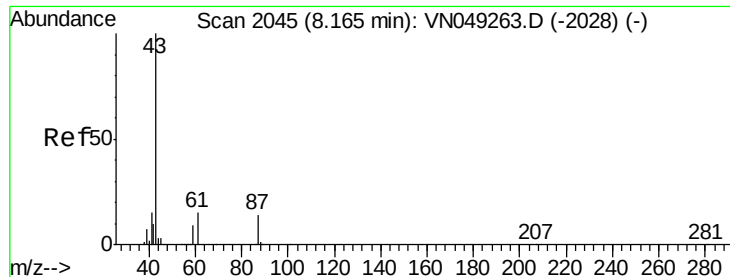
Tot Ion: 43 Resp: 16637
Ion Ratio Lower Upper
43 100
61 4.6 11.0 16.4#
70 0.4 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion: 117 Resp: 119144
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 16.20 ug/l

RT: 8.21 min Scan# 2059

Delta R.T. 0.05 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

ClientSampleId :

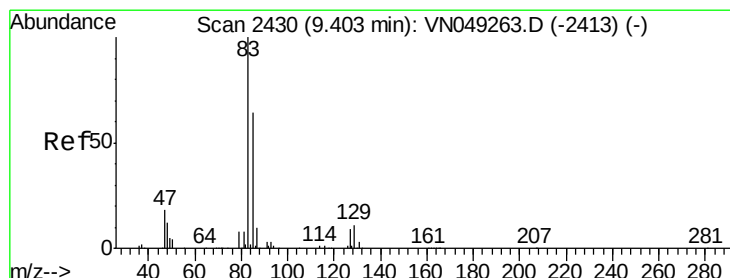
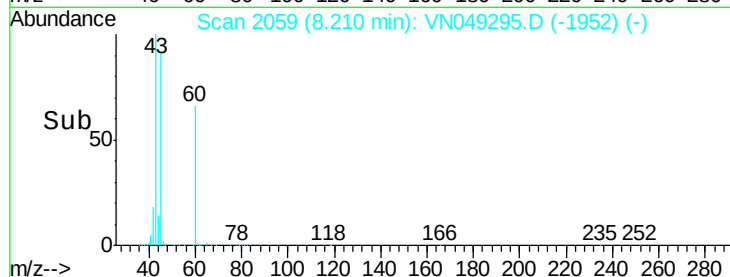
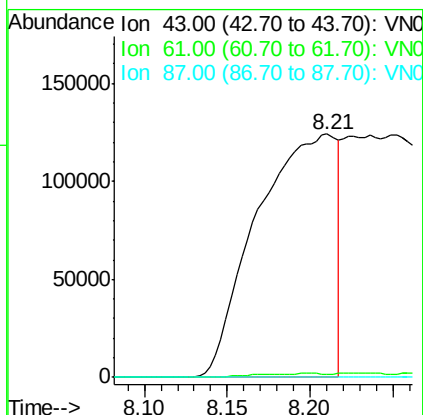
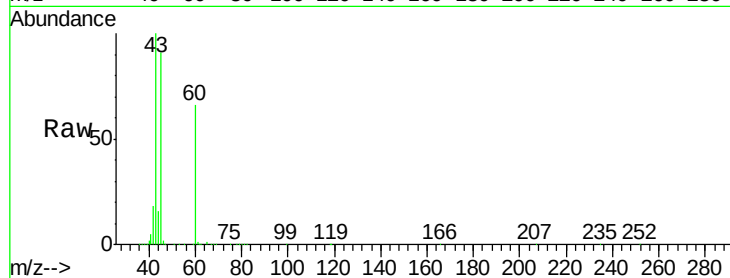
Tot Ion: 43 Resp: 413703

Ion Ratio Lower Upper

43 100

61 0.1 14.2 21.4#

87 0.0 9.4 14.0#



#47

Bromodichloromethane

Concen: 0.37 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

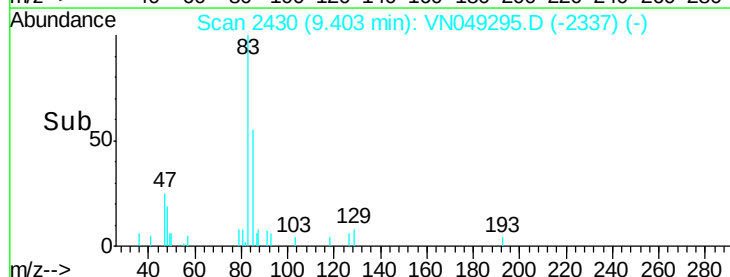
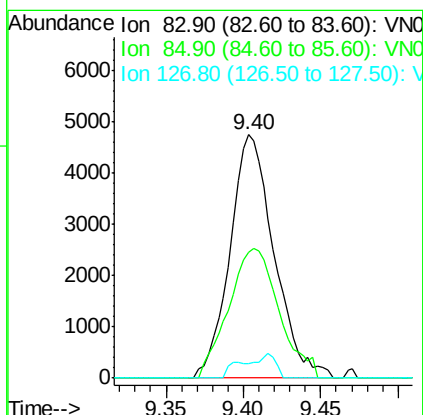
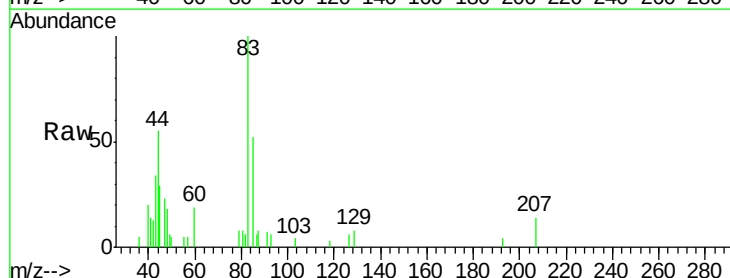
Tgt Ion: 83 Resp: 9371

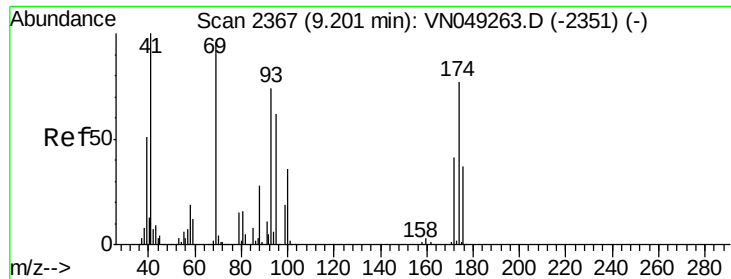
Ion Ratio Lower Upper

83 100

85 51.9 49.4 74.0

127 6.1 6.3 9.5#

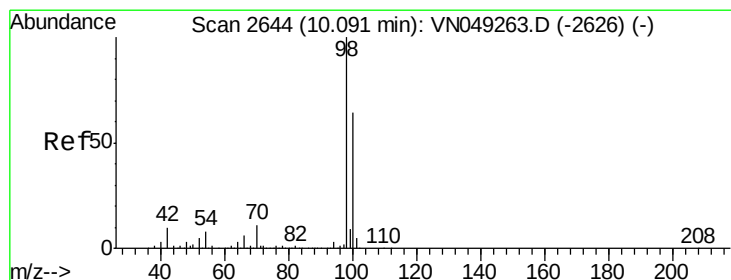
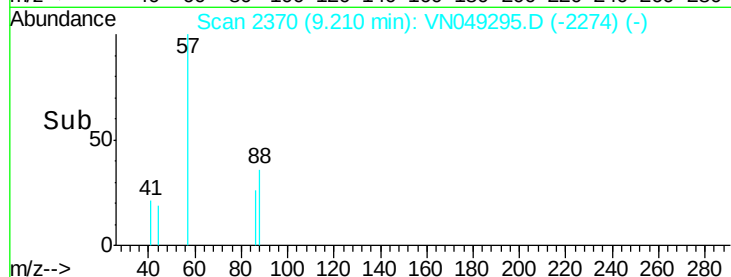
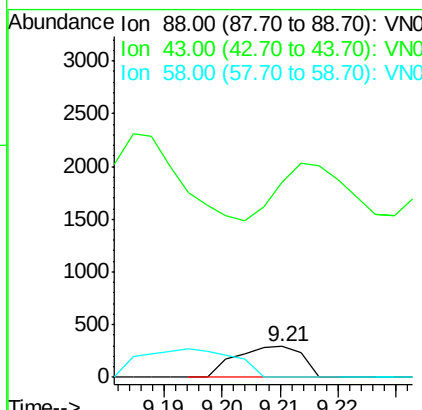
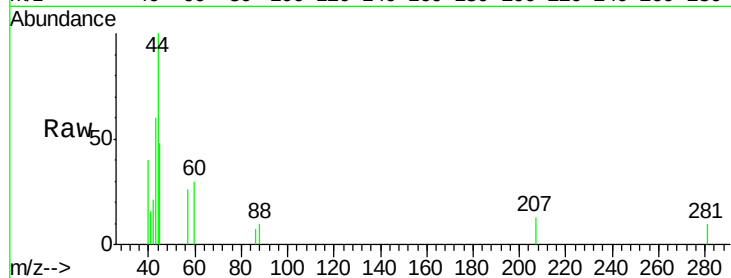




#49
1,4-Dioxane
Concen: 1.40 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

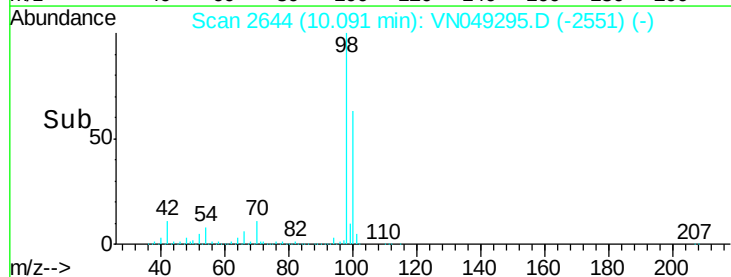
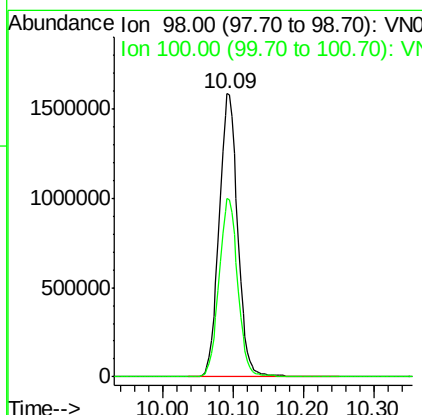
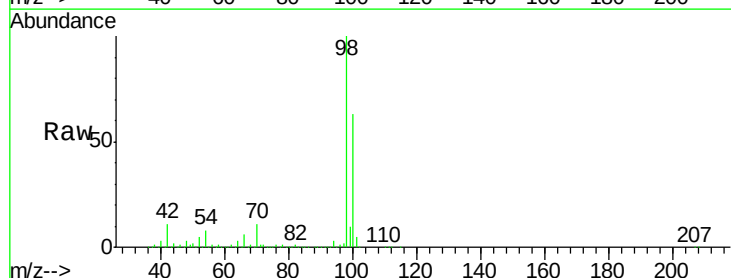
Instrument :
MSVOA_N
ClientSampled :

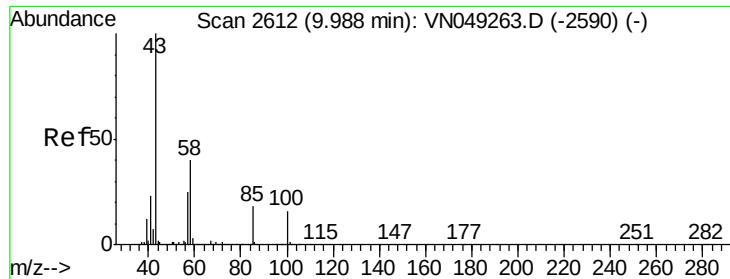
Tot Ion: 88 Resp: 233
Ion Ratio Lower Upper
88 100
43 188.0 30.9 46.3#
58 0.0 58.9 88.3#



#50
Toluene-d8
Concen: 44.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion: 98 Resp: 2912439
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 1.29 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

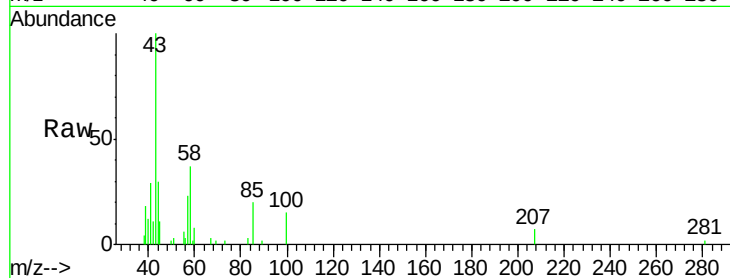
ClientSampled :

Tot Ion: 43 Resp: 17274

Ion Ratio Lower Upper

43 100

58 38.9 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) (-)

15000

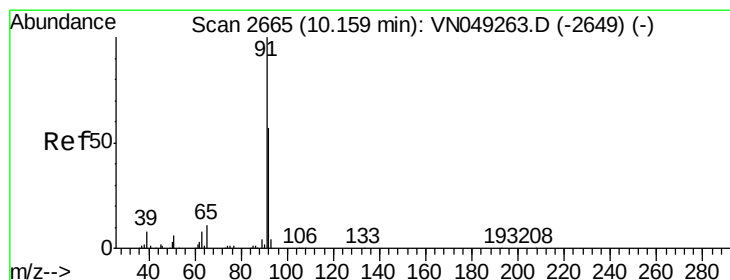
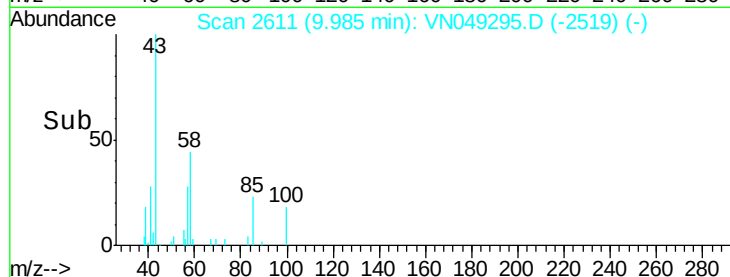
10000

5000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 0.26 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049295.D

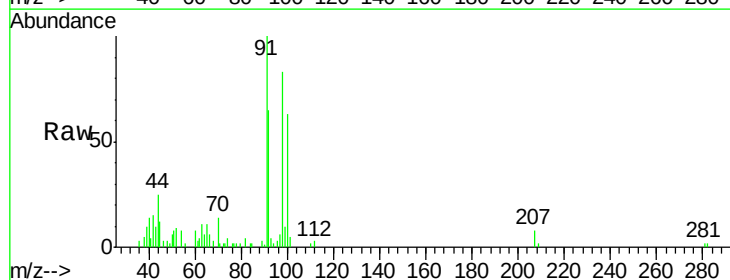
Acq: 16 Jun 2018 7:43

Tgt Ion: 92 Resp: 11725

Ion Ratio Lower Upper

92 100

91 186.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)

12000

10000

8000

6000

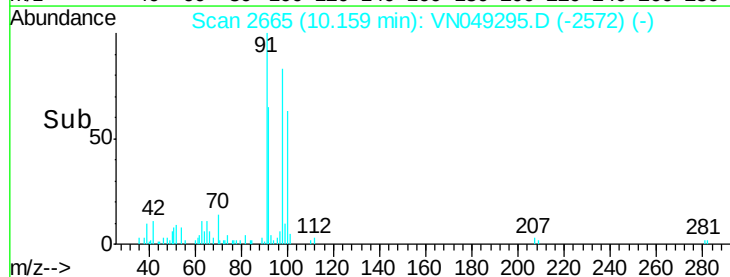
4000

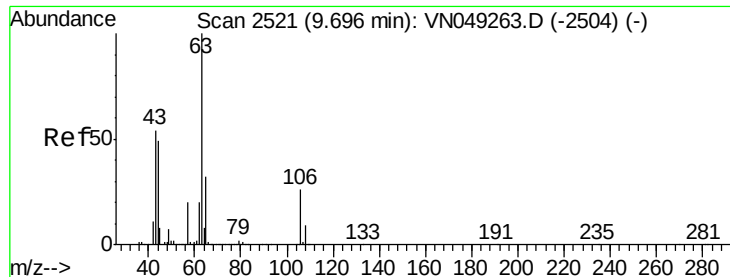
2000

0

10.10 10.15 10.20

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.72 min Scan# 2529

Delta R.T. 0.03 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

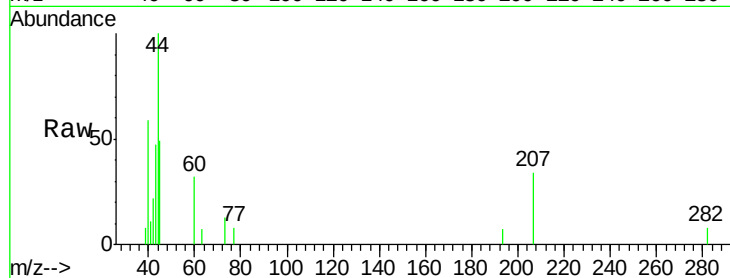
ClientSampleId :

Tot Ion: 63 Resp: 32

Ion Ratio Lower Upper

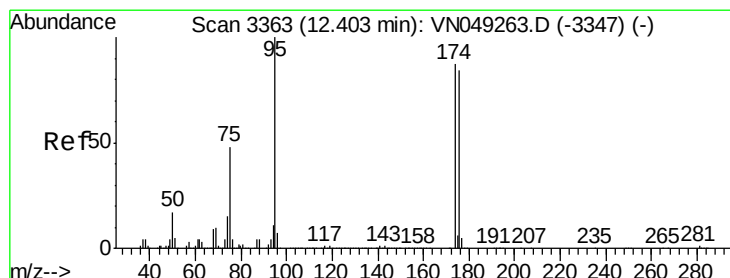
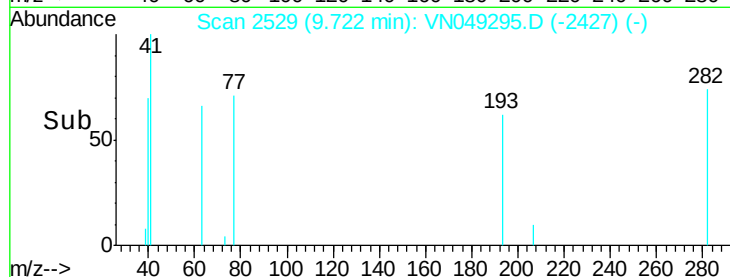
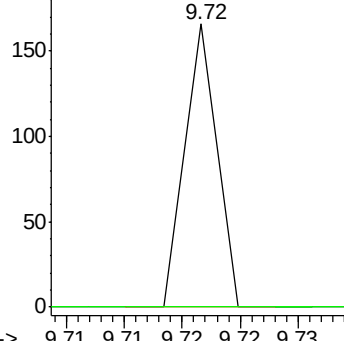
63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#62

4-Bromofluorobenzene

Concen: 32.75 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

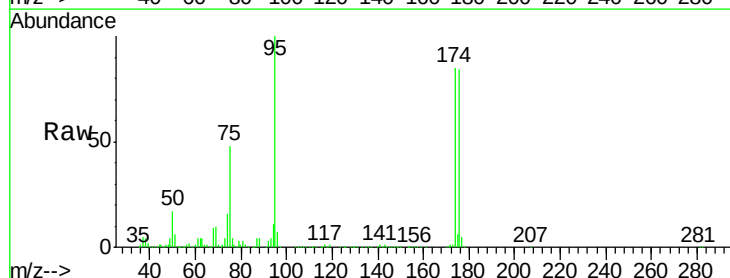
Tgt Ion: 95 Resp: 715724

Ion Ratio Lower Upper

95 100

174 87.7 0.0 165.6

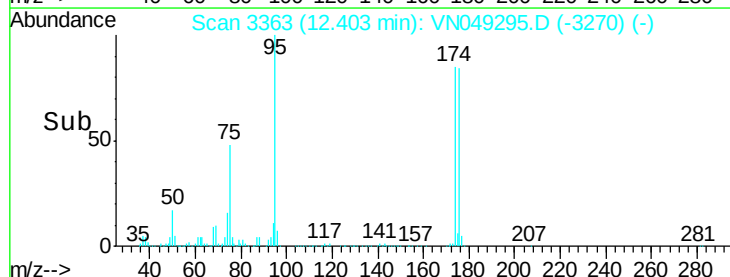
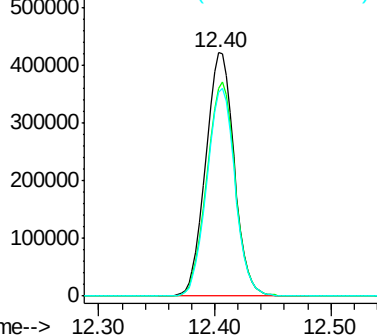
176 84.6 0.0 157.4

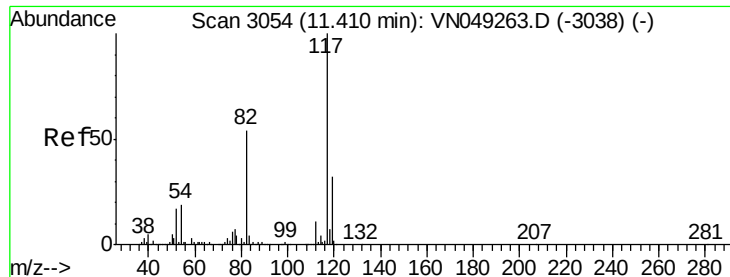


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

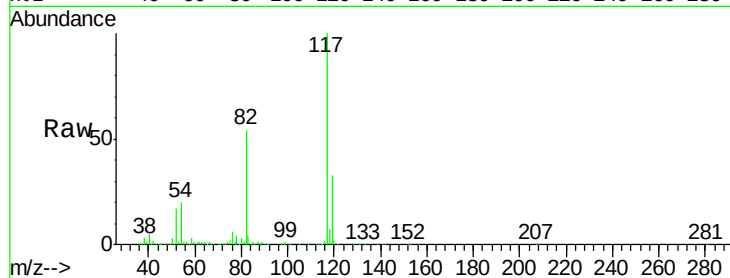




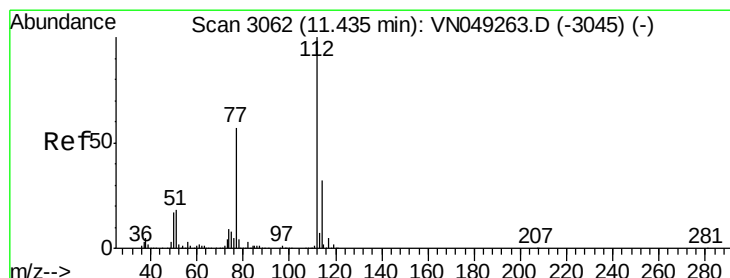
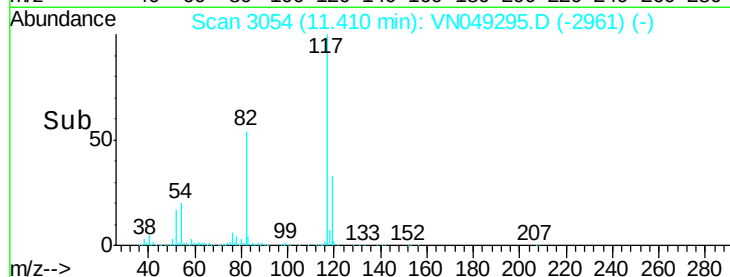
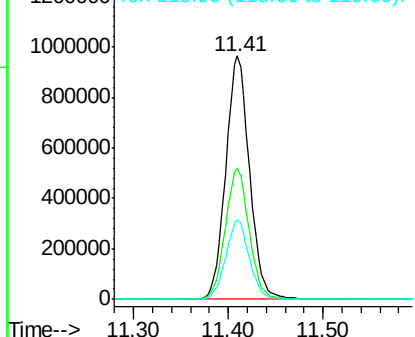
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1675748
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.6 25.5 38.3

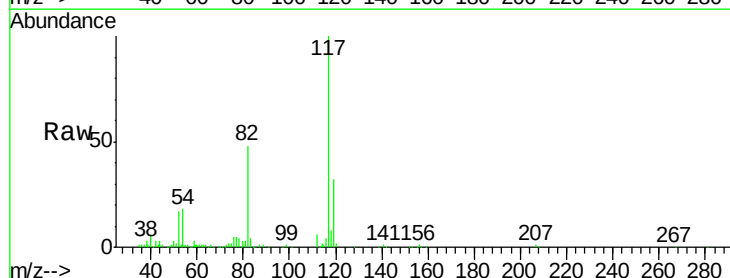


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

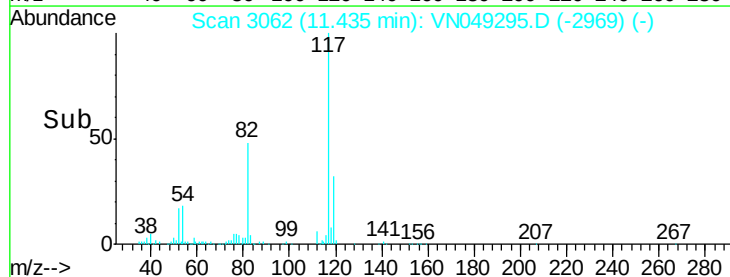
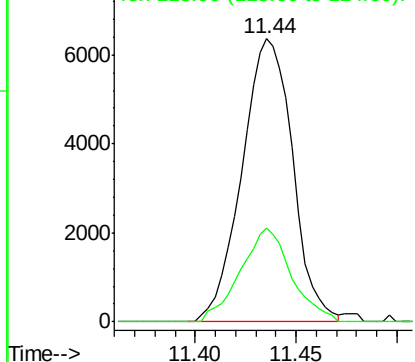


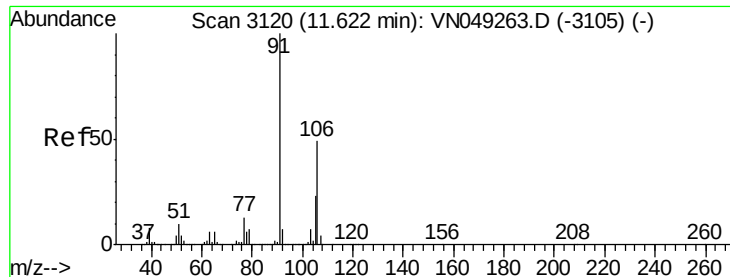
#65
Chlorobenzene
Concen: 0.26 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049295.D
Acq: 16 Jun 2018 7:43

Tgt Ion:112 Resp: 11188
Ion Ratio Lower Upper
112 100
114 33.2 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: 0.49 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

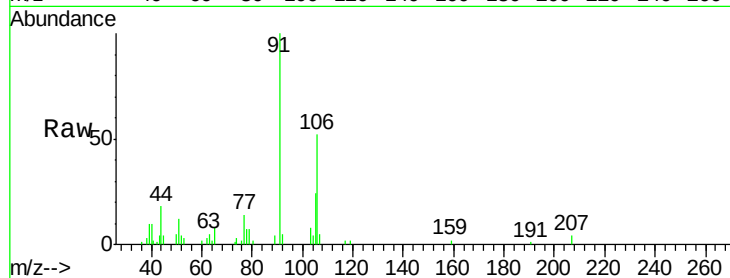
ClientSampled :

Tot Ion:106 Resp: 13160

Ion Ratio Lower Upper

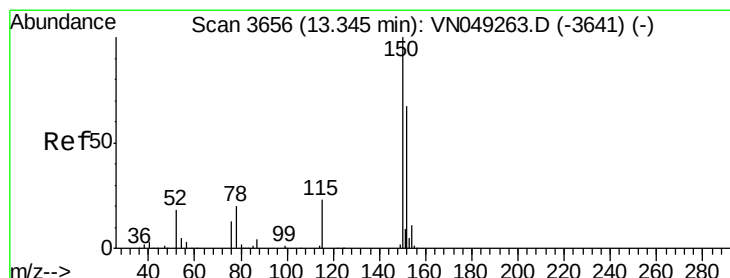
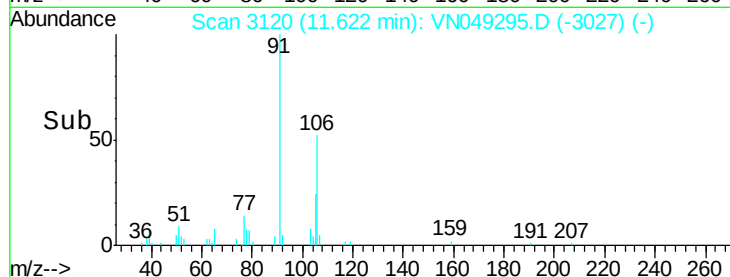
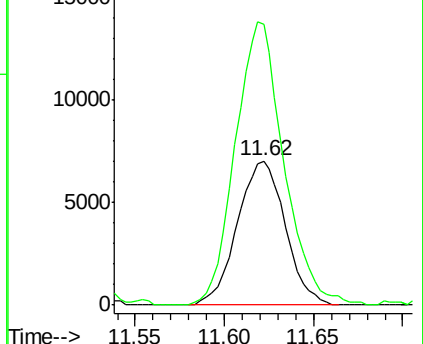
106 100

91 199.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

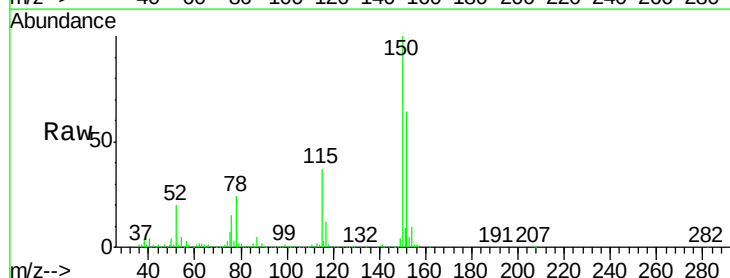
Tgt Ion:152 Resp: 538305

Ion Ratio Lower Upper

152 100

115 58.3 28.7 86.1

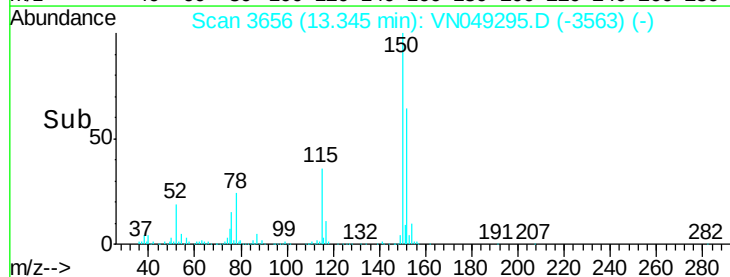
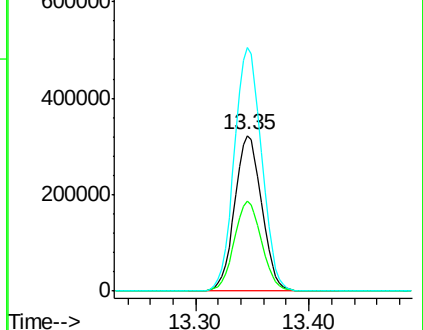
150 157.8 0.0 351.0

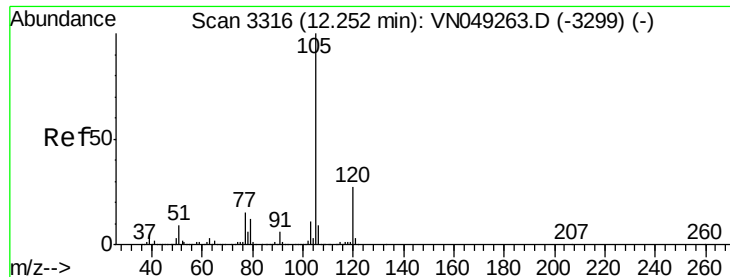


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.36 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

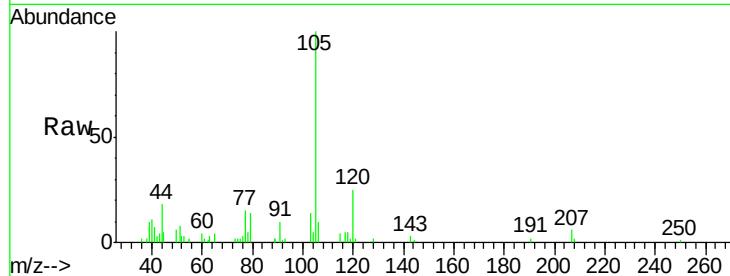
ClientSampled :

Tot Ion:105 Resp: 16904

Ion Ratio Lower Upper

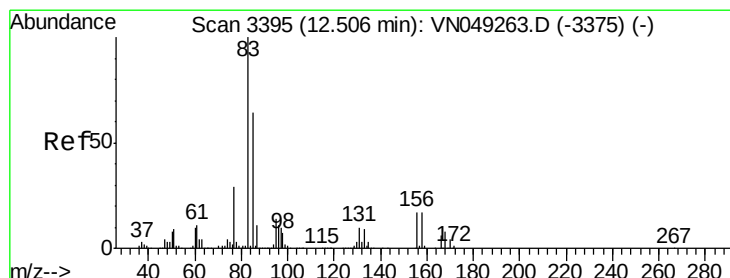
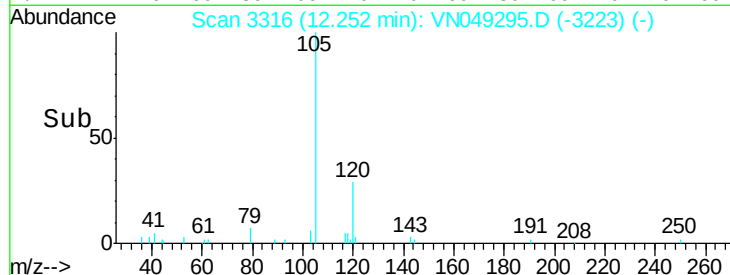
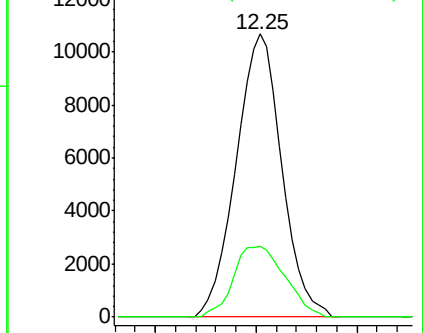
105 100

120 28.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

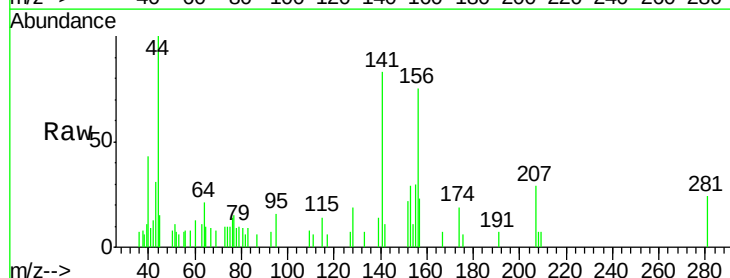
Tgt Ion: 83 Resp: 121

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

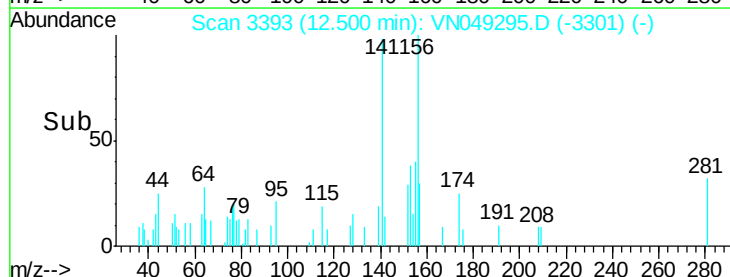
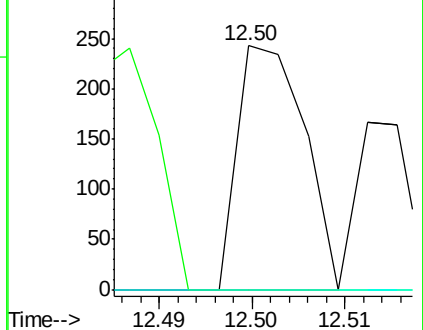
85 0.0 32.0 96.0#

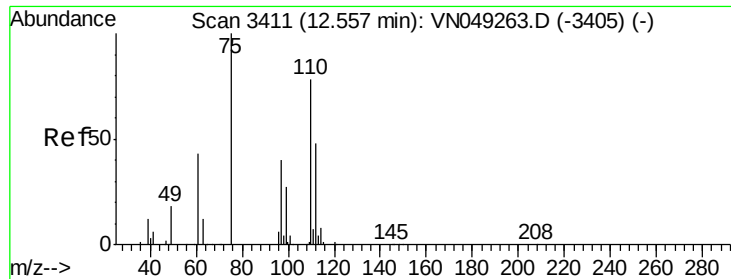


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 37.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

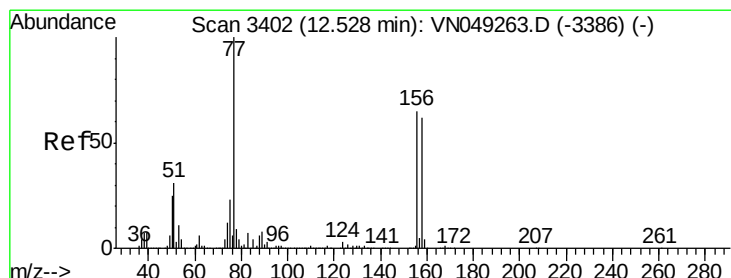
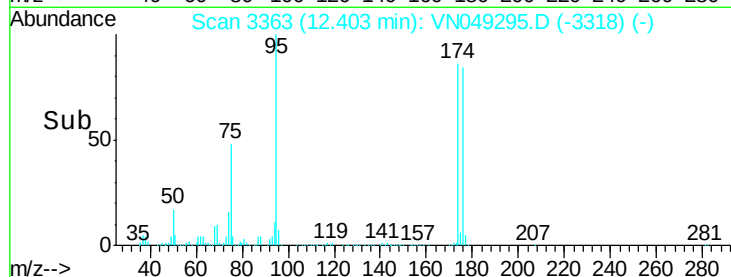
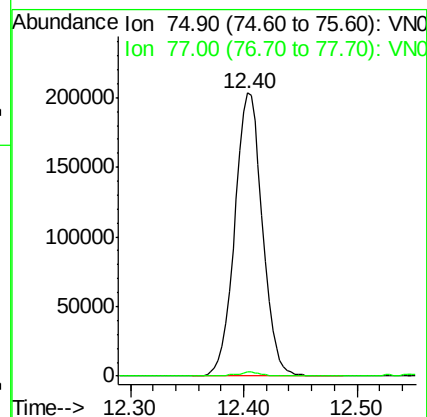
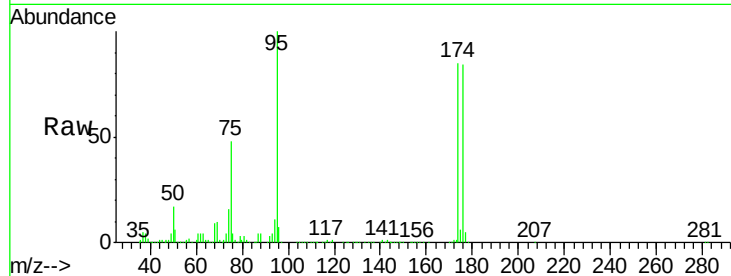
ClientSampled :

Tot Ion: 75 Resp: 344599

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#77

Bromobenzene

Concen: 3.89 ug/l

RT: 12.58 min Scan# 3417

Delta R.T. 0.05 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

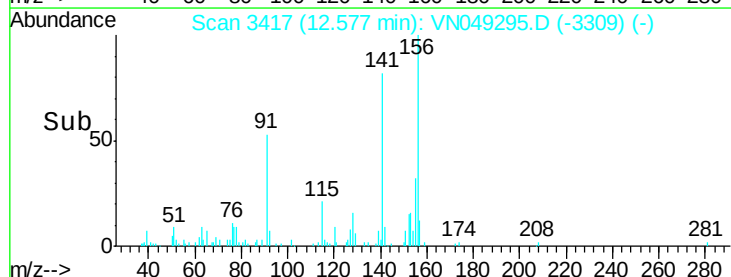
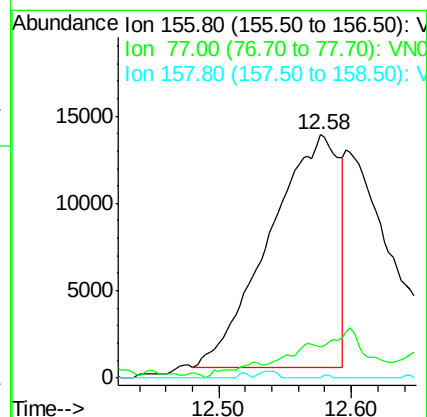
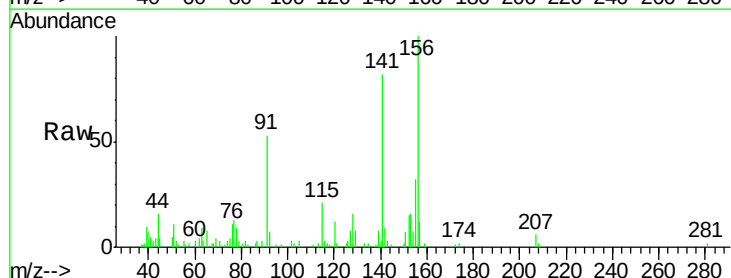
Tgt Ion: 156 Resp: 48556

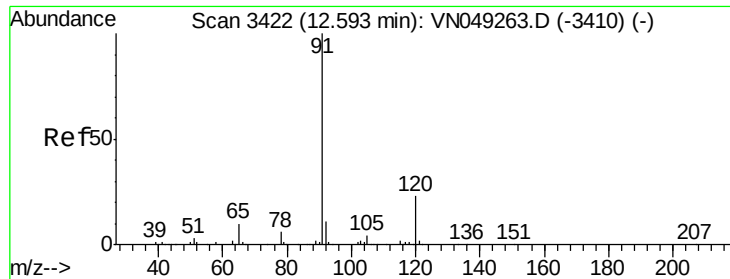
Ion Ratio Lower Upper

156 100

77 3.9 100.8 302.4#

158 0.1 49.3 147.9#





#78

n-propylbenzene

Concen: 0.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

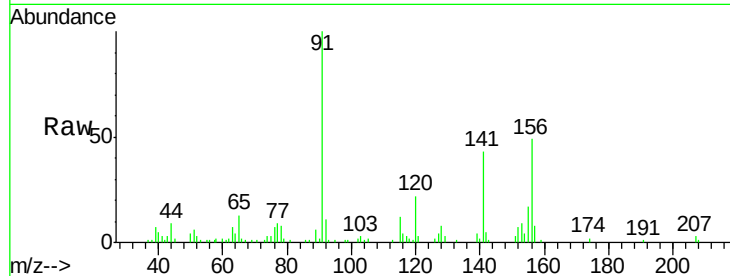
ClientSampleId :

Tot Ion: 91 Resp: 42295

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.5

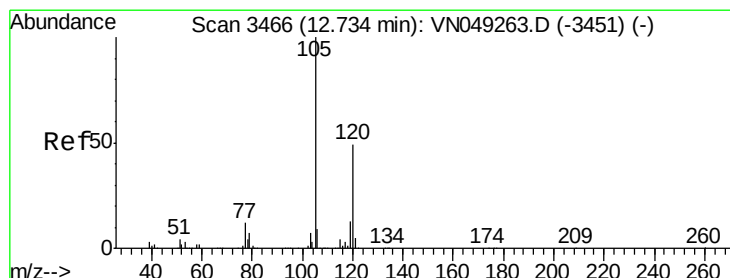
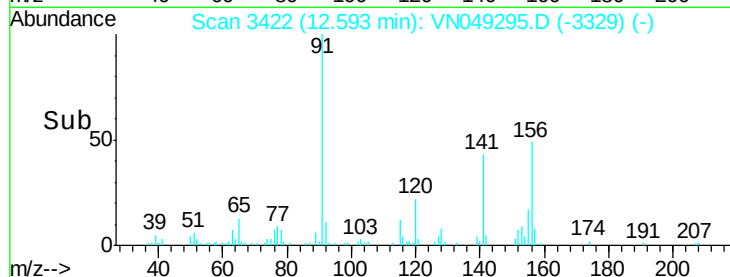


Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3410) (-)

12.59

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.43 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049295.D

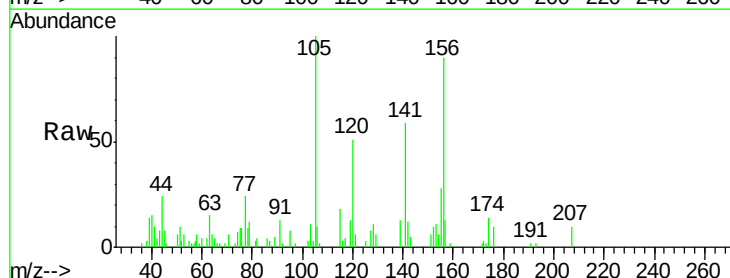
Acq: 16 Jun 2018 7:43

Tgt Ion: 105 Resp: 16139

Ion Ratio Lower Upper

105 100

120 46.9 23.5 70.5

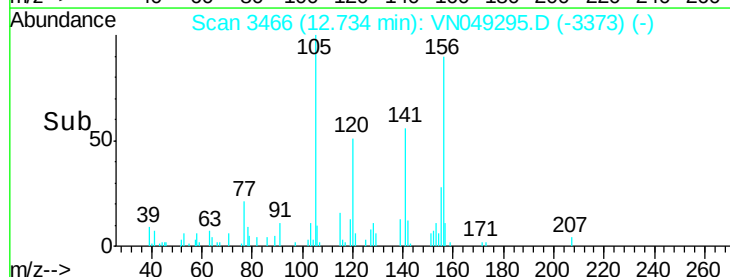


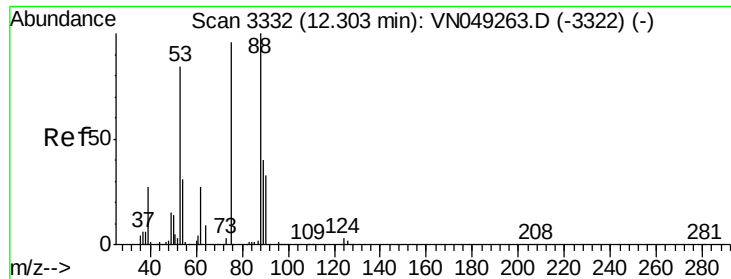
Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 118.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

ClientSampleId :

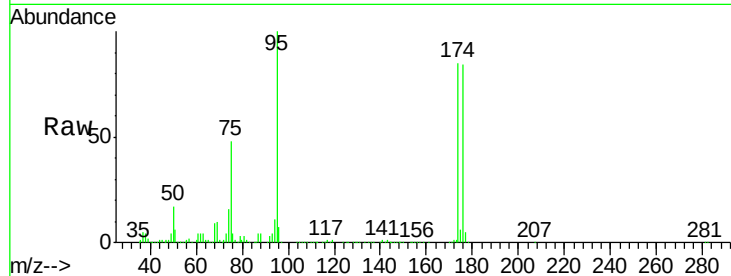
Tot Ion: 75 Resp: 344599

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

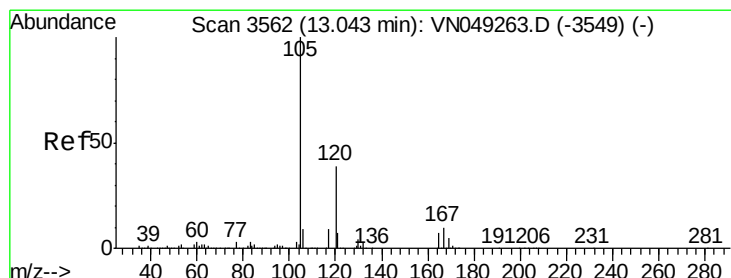
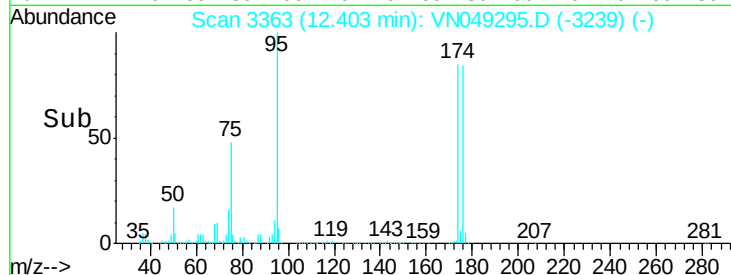
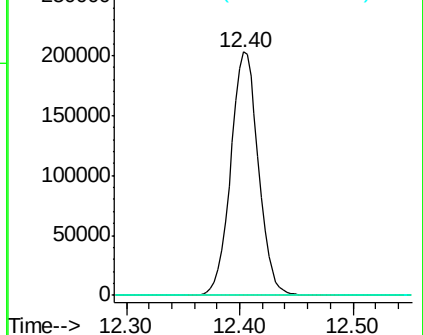
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049295.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049295.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049295.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.30 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049295.D

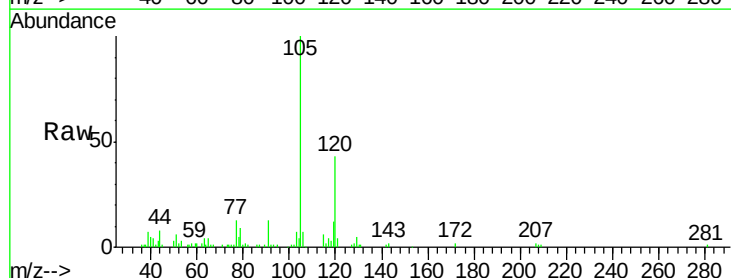
Acq: 16 Jun 2018 7:43

Tgt Ion: 105 Resp: 47820

Ion Ratio Lower Upper

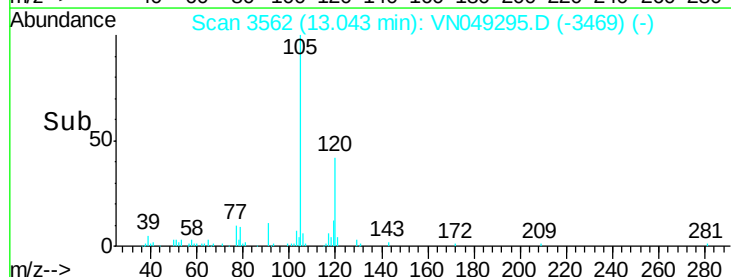
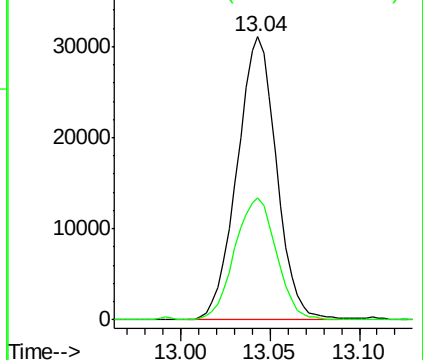
105 100

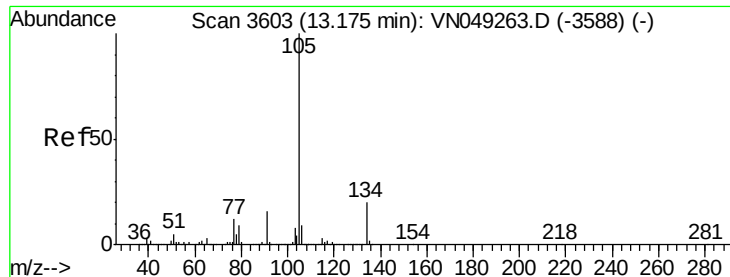
120 45.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049295.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049295.D (-3562) (-)





#85

sec-Butylbenzene

Concen: 0.50 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

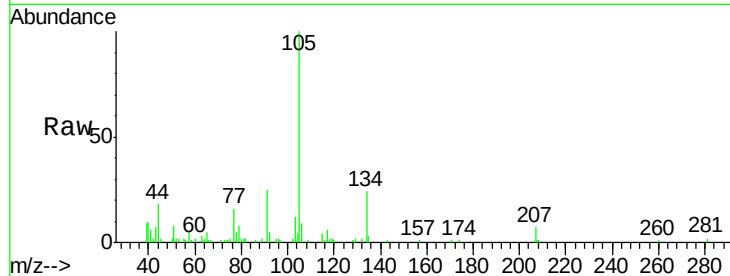
ClientSampleId :

Tot Ion:105 Resp: 21750

Ion Ratio Lower Upper

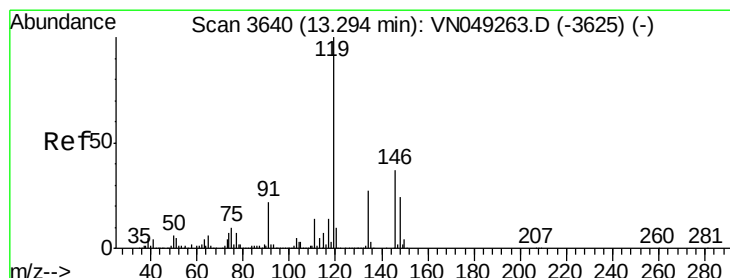
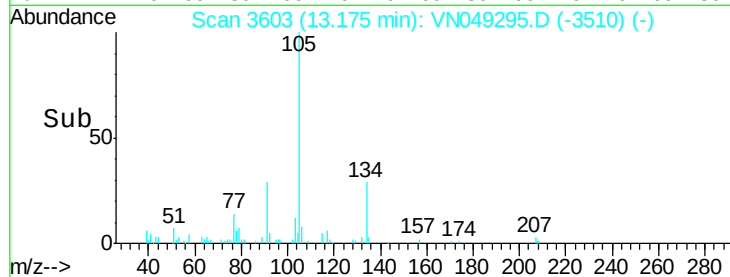
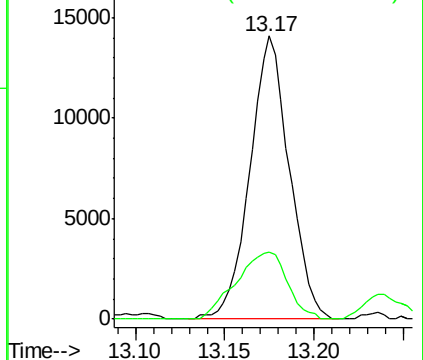
105 100

134 30.8 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: 0.22 ug/l

RT: 13.44 min Scan# 3686

Delta R.T. 0.15 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

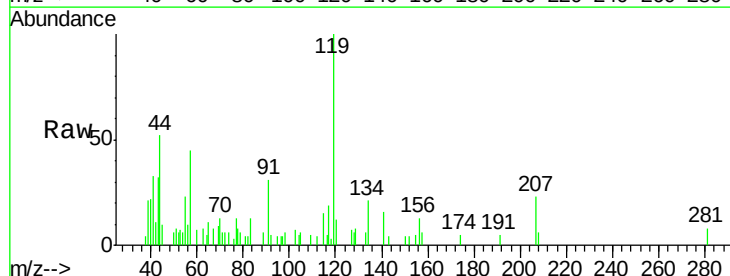
Tgt Ion:119 Resp: 7963

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

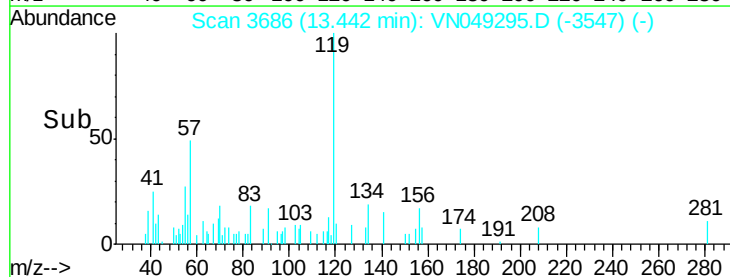
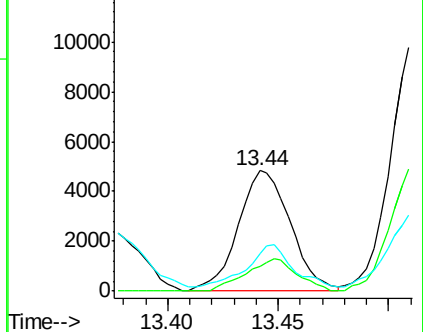
91 29.9 12.1 36.3

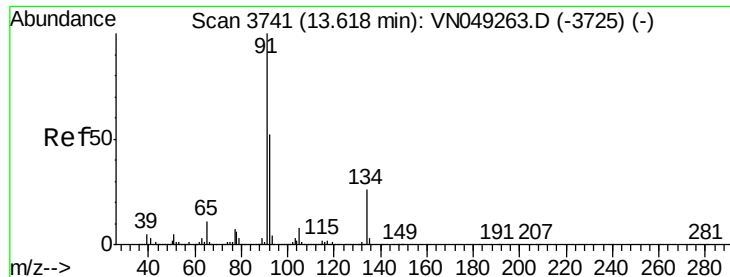


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.39 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Instrument :

MSVOA_N

ClientSampled :

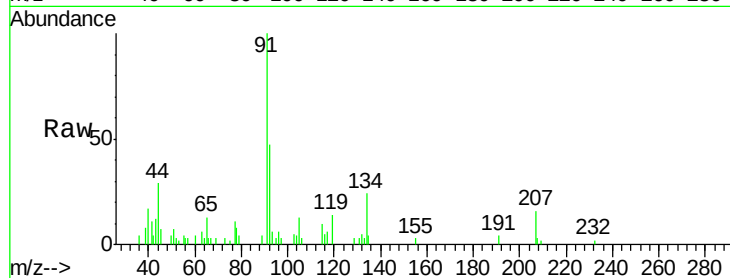
Tot Ion: 91 Resp: 11008

Ion Ratio Lower Upper

91 100

92 53.7 25.1 75.4

134 0.0 12.0 36.0#

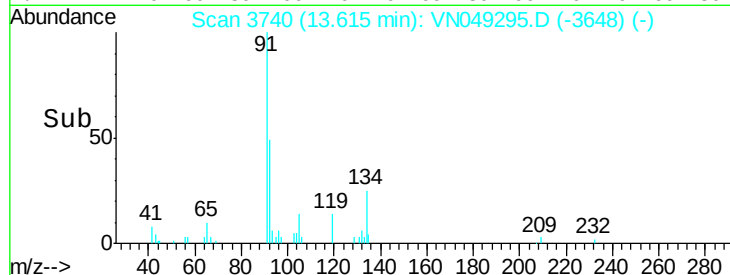


Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN049263.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN049263.D (-3725) (-)

Time-->

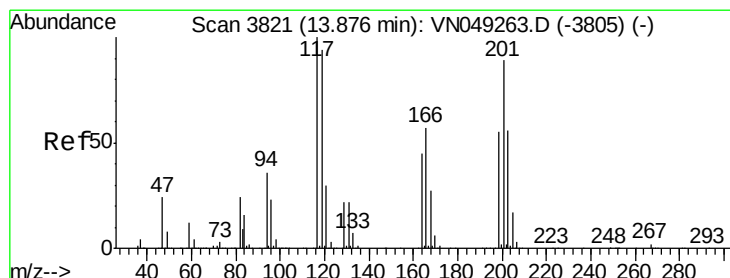


Abundance Ion 91.00 (90.70 to 91.70): VN049295.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN049295.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN049295.D (-3648) (-)

Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049295.D

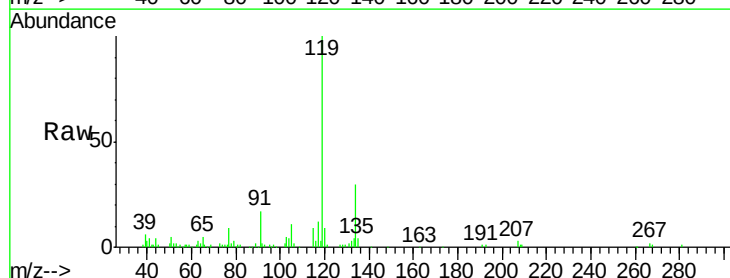
Acq: 16 Jun 2018 7:43

Tgt Ion: 117 Resp: 9164

Ion Ratio Lower Upper

117 100

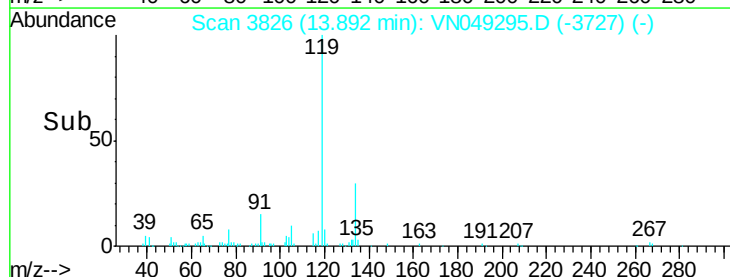
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN049263.D (-3805) (-)

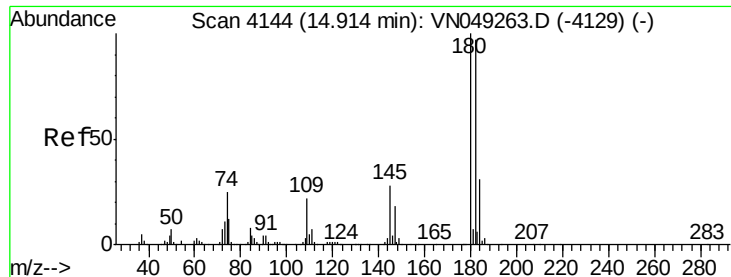
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN049295.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049295.D (-3727) (-)

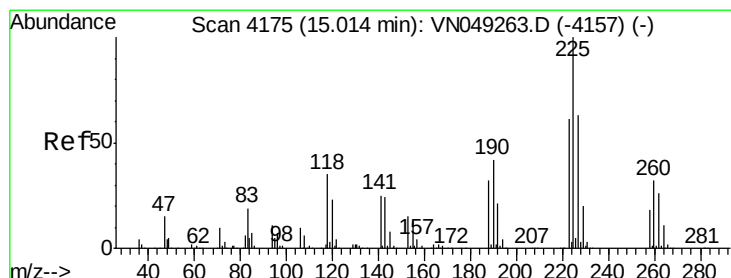
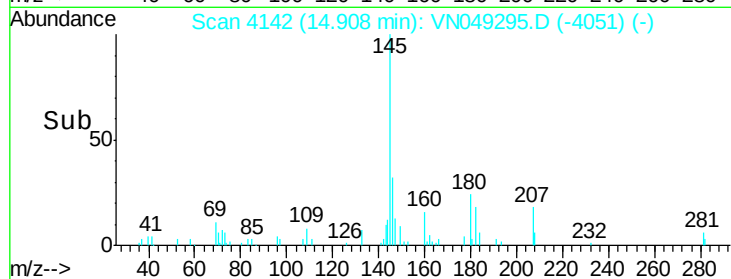
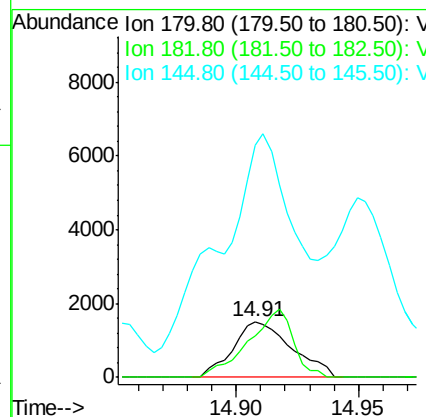
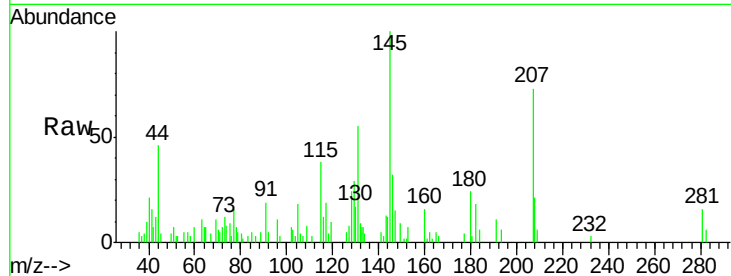
Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 4.99 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.01 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

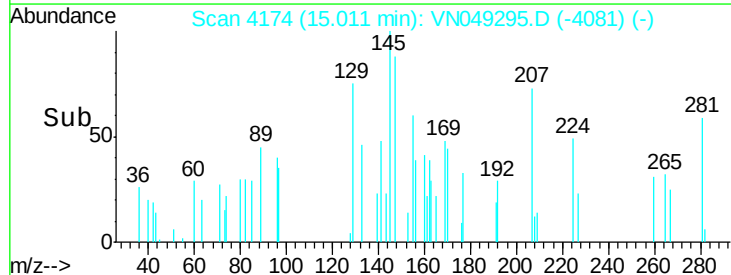
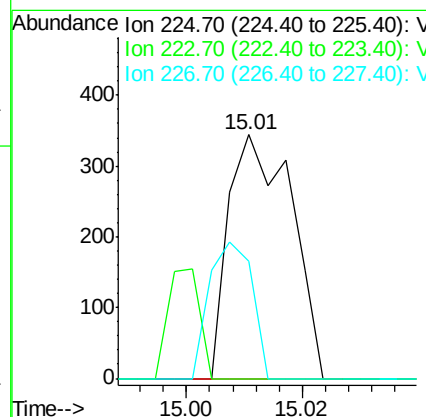
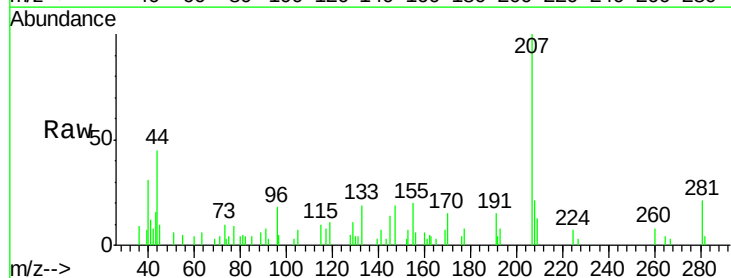
Instrument :
 MSVOA_N
 ClientSampled :

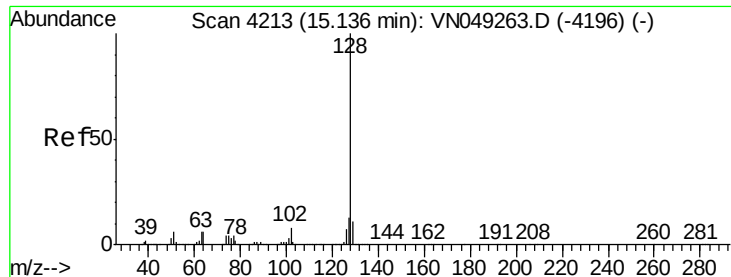
Tot Ion:180 Resp: 2504
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.9 140.8
 145 581.1 14.7 44.1#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049295.D
 Acq: 16 Jun 2018 7:43

Tgt Ion:225 Resp: 259
 Ion Ratio Lower Upper
 225 100
 223 22.8 32.1 96.3#
 227 38.2 31.8 95.3





#95

Naphthalene

Concen: 60.17 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

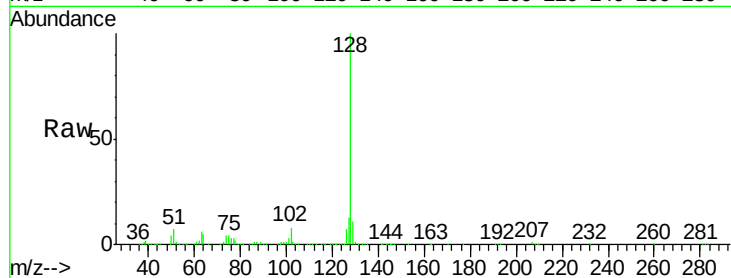
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1019438

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.3	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

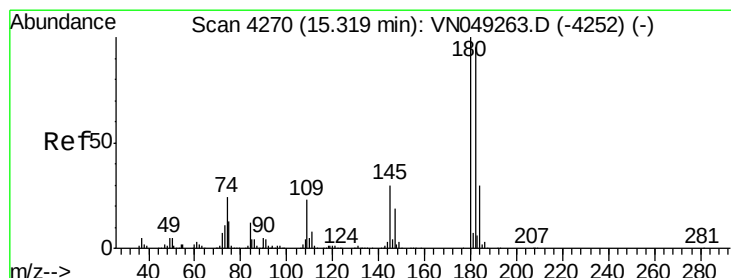
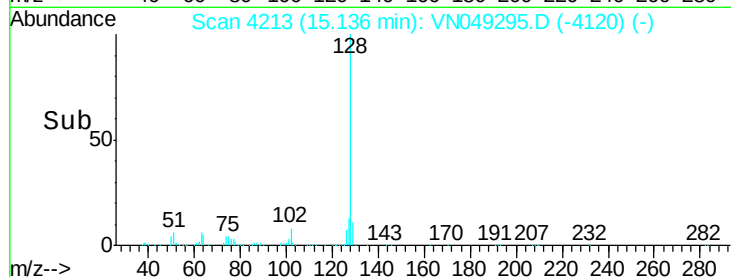
15.14

400000

200000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.59 ug/l

RT: 15.32 min Scan# 4271

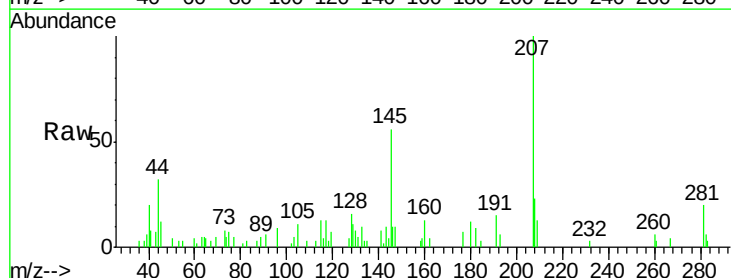
Delta R.T. 0.00 min

Lab File: VN049295.D

Acq: 16 Jun 2018 7:43

Tgt Ion:180 Resp: 1300

Ion	Ratio	Lower	Upper
180	100		
182	67.2	47.3	141.8
145	0.0	15.6	46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

6000

5000

4000

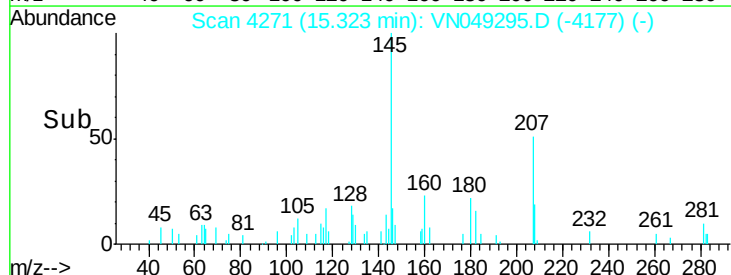
3000

2000

1000

0

Time-->



15.32