

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049392.D
 Acq On : 19 Jun 2018 18:12
 Operator : MD\SY
 Sample : PB110363ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:32:14 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	1338765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2114674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1739797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	504687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	888553	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.59	113	778822	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
50) Toluene-d8	10.09	98	2873246	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
62) 4-Bromofluorobenzene	12.41	95	734145	34.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.16%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	6986	0.63	ug/l	94
10) Methyl Iodide	3.95	142	4699	0.27	ug/l #	72
11) Tert butyl alcohol	4.75	59	2620	2.51	ug/l #	70
13) Acrolein	3.60	56	286	0.26	ug/l #	1
16) Acetone	3.82	43	48420	11.23	ug/l	98
17) Carbon Disulfide	4.05	76	11882	0.25	ug/l #	84
18) Methyl Acetate	4.33	43	105260	8.01	ug/l	95
20) Methylene Chloride	4.55	84	33891	1.88	ug/l	90
25) 2-Butanone	6.85	43	12185	2.10	ug/l	97
29) Tetrahydrofuran	7.23	42	5484	1.47	ug/l #	85
31) Cyclohexane	7.67	56	24601	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	93945	3.88	ug/l #	51
37) Ethyl Acetate	6.85	43	12185	0.92	ug/l #	82
38) Carbon Tetrachloride	7.67	117	119868	4.78	ug/l #	18
43) Isopropyl Acetate	8.23	43	164308	6.53	ug/l #	64
49) 1,4-Dioxane	9.20	88	836	5.11	ug/l #	68
51) 4-Methyl-2-Pentanone	9.99	43	9141	0.69	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.71	63	185	14.35	ug/l #	51
59) 2-Hexanone	10.76	43	6996	0.82	ug/l	95
65) Chlorobenzene	11.44	112	25011	0.56	ug/l	98
74) N-amyl acetate	12.08	43	3256	0.30	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	1117	Below	Cal	86
76) 1,2,3-Trichloropropane	12.40	75	354565	41.17	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	354565	130.13	ug/l #	9
82) 4-Chlorotoluene	12.78	91	6274	0.21	ug/l	90
87) 1,3-Dichlorobenzene	13.28	146	4203	0.22	ug/l	91
88) 1,4-Dichlorobenzene	13.28	146	4203	0.22	ug/l	89
89) n-Butylbenzene	13.62	91	5526	0.21	ug/l	94
90) Hexachloroethane	13.87	117	236	Below	Cal	71
91) 1,2-Dichlorobenzene	13.65	146	4848	0.26	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.29	75	444	0.29	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	6845	5.46	ug/l	90
94) Hexachlorobutadiene	15.01	225	2227	Below	Cal	92
95) Naphthalene	15.14	128	15134	3.16	ug/l #	94

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

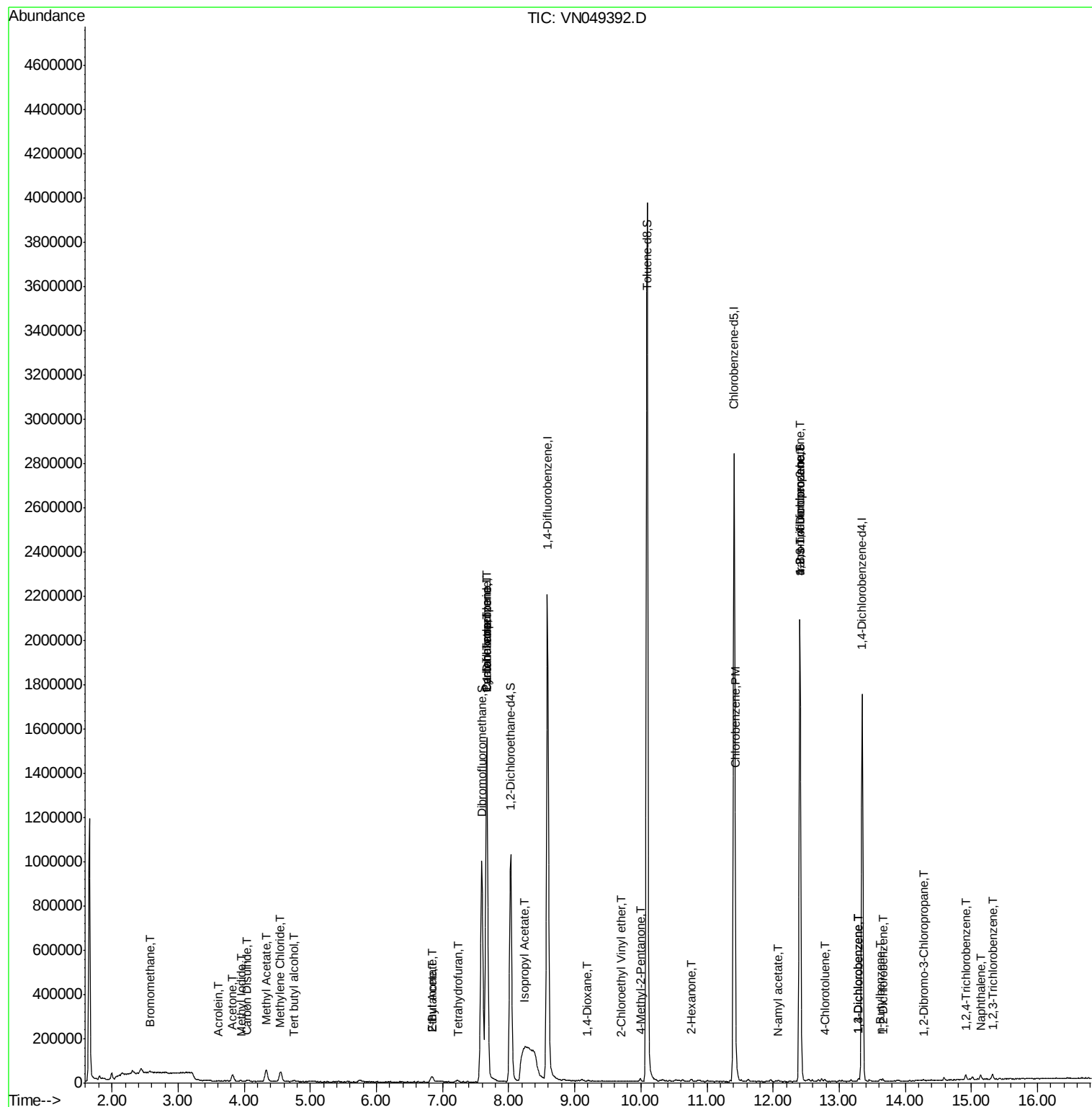
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	7731	4.31	ug/l	93

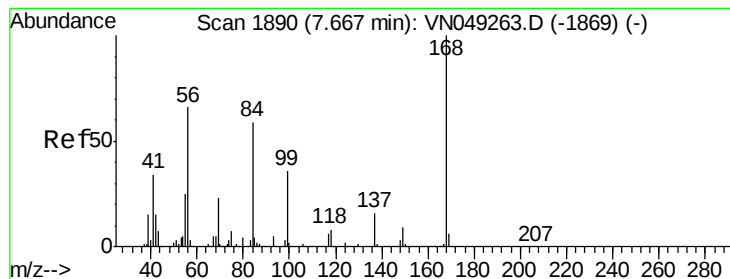
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\
Data File : VN049392.D
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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: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

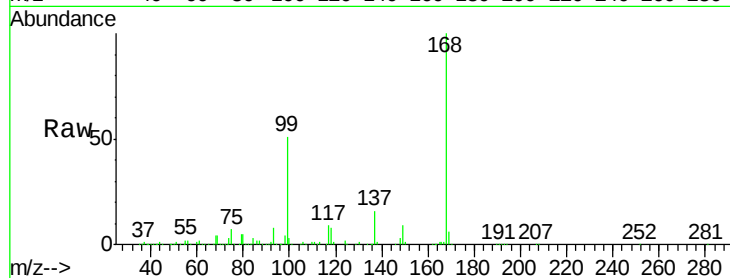
ClientSampleId :

Tot Ion:168 Resp: 1338765

Ion Ratio Lower Upper

168 100

99 51.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

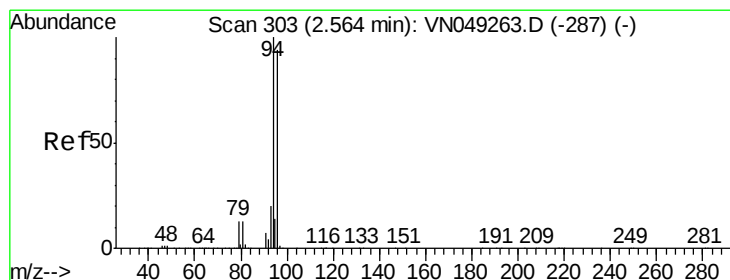
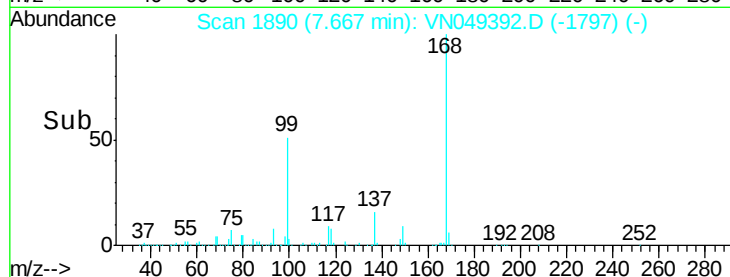
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.63 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049392.D

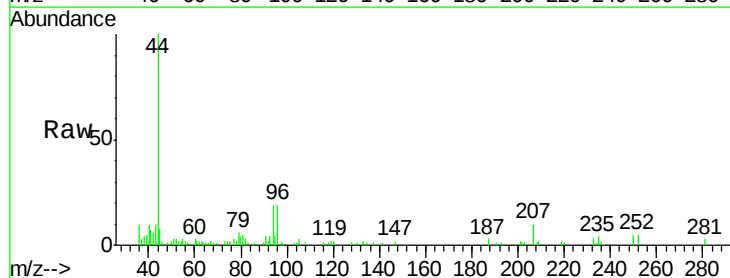
Acq: 19 Jun 2018 18:12

Tgt Ion: 94 Resp: 6986

Ion Ratio Lower Upper

94 100

96 85.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

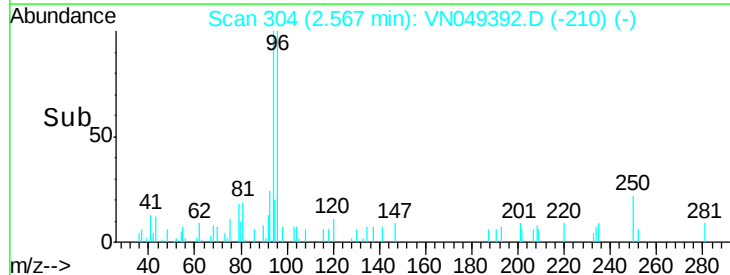
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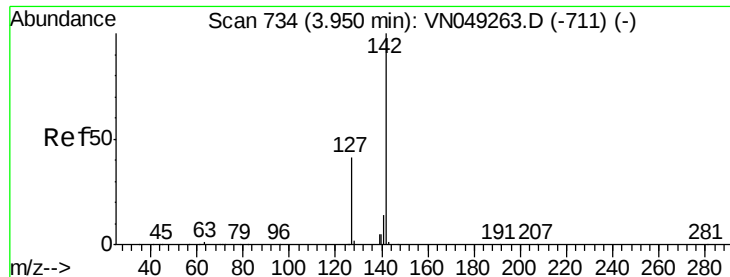
2000

1000

0

Time-->

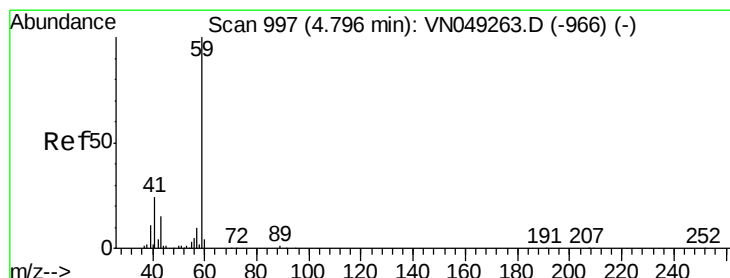
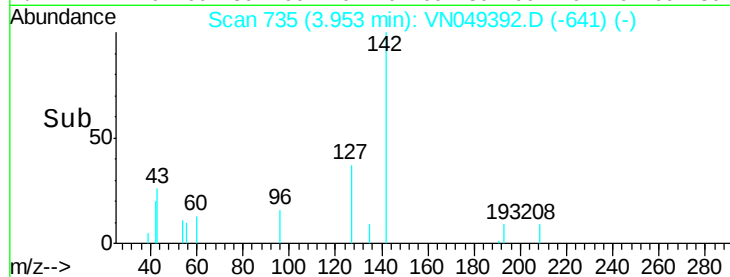
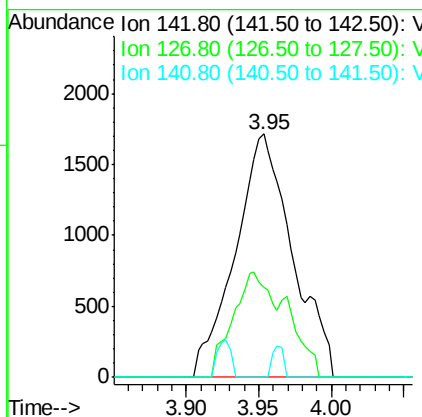
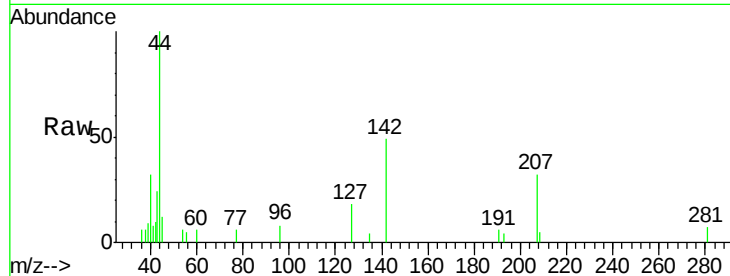




#10
Methvl Iodide
Concen: 0.27 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

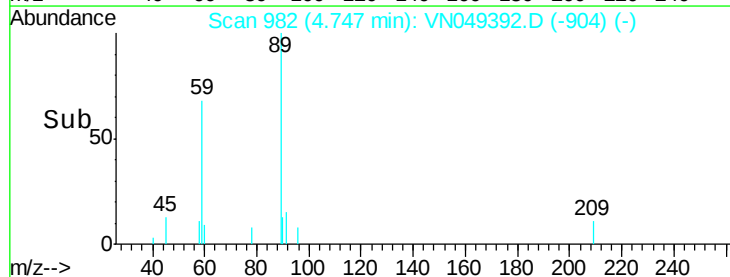
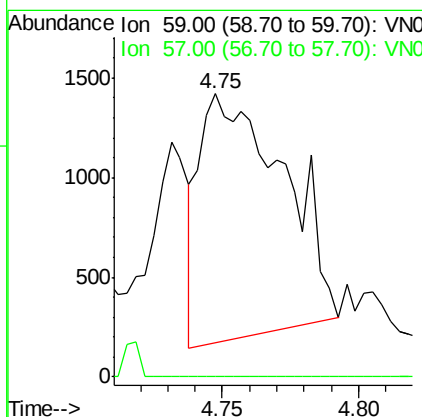
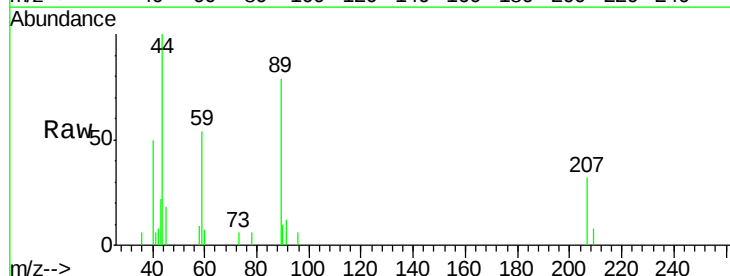
Instrument :
MSVOA_N
ClientSampleId :

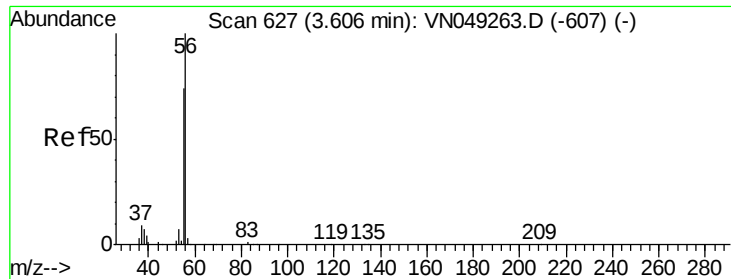
Tot Ion:142 Resp: 4699
Ion Ratio Lower Upper
142 100
127 29.3 38.2 57.4#
141 2.5 11.9 17.9#



#11
Tert butyl alcohol
Concen: 2.51 ug/l
RT: 4.75 min Scan# 982
Delta R.T. -0.05 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 59 Resp: 2620
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#





#13

Acrolein

Concen: 0.26 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

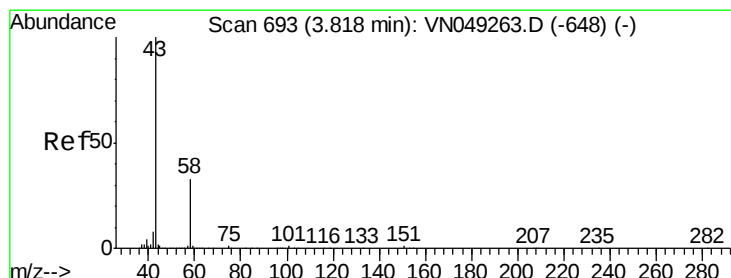
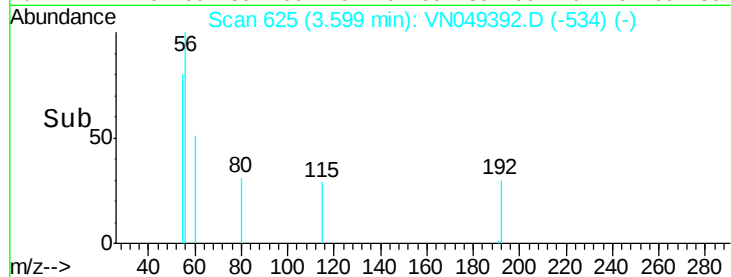
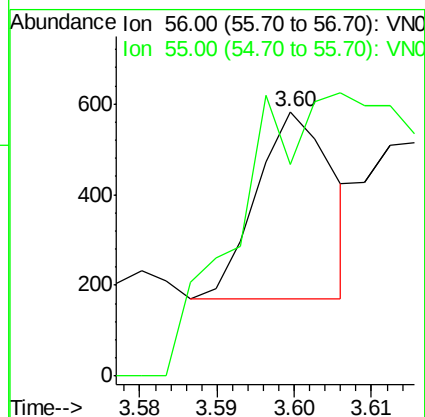
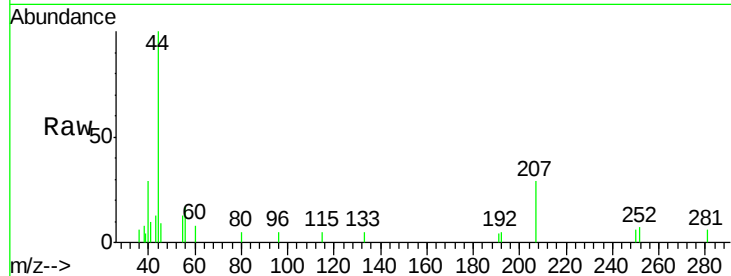
ClientSampleId :

Tot Ion: 56 Resp: 286

Ion Ratio Lower Upper

56 100

55 374.1 57.1 85.7#



#16

Acetone

Concen: 11.23 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049392.D

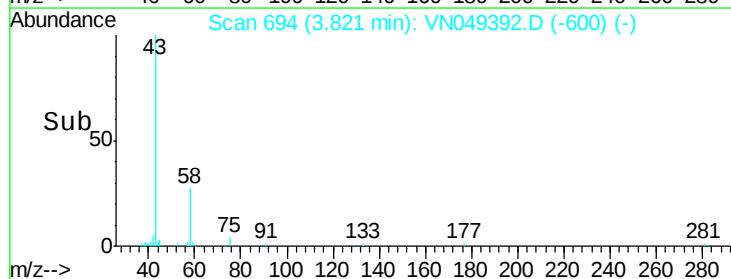
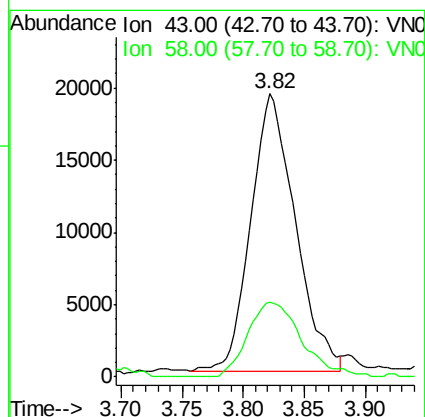
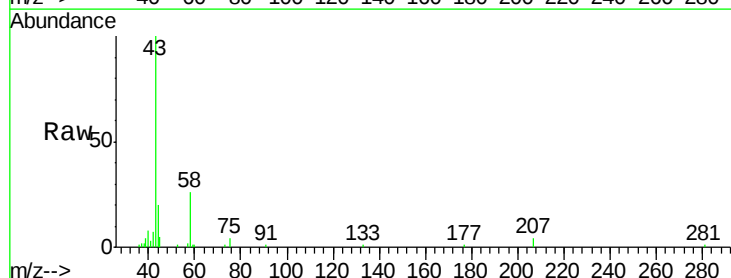
Acq: 19 Jun 2018 18:12

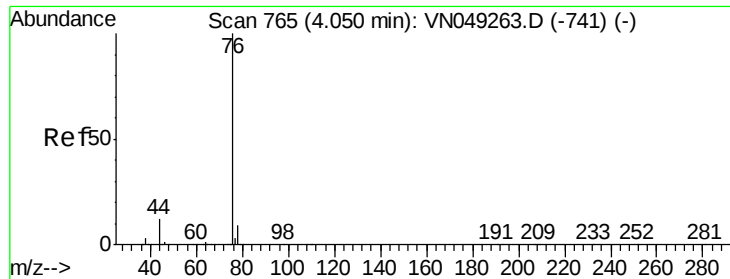
Tgt Ion: 43 Resp: 48420

Ion Ratio Lower Upper

43 100

58 27.0 22.4 33.6

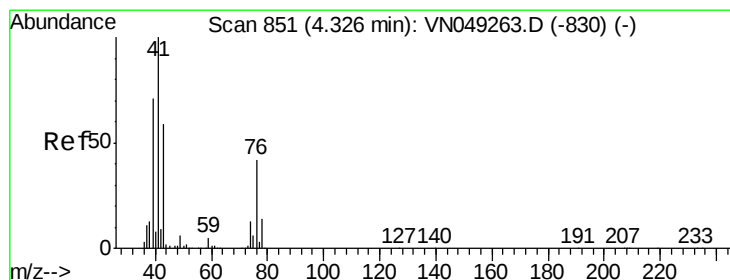
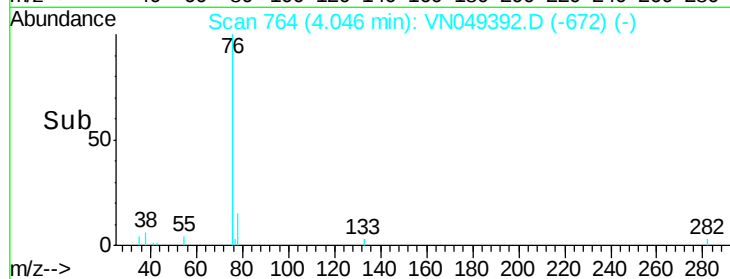
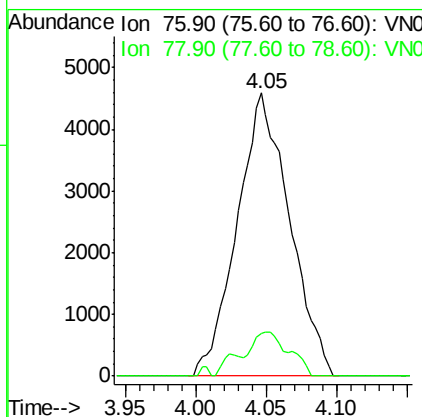
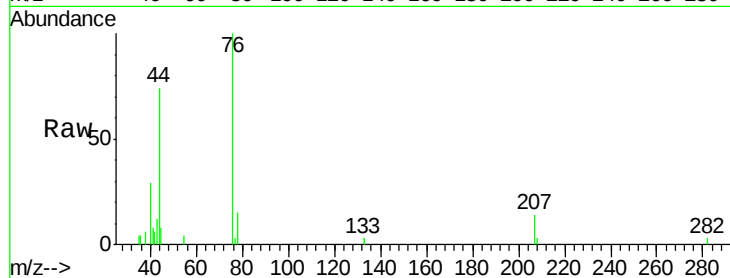




#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

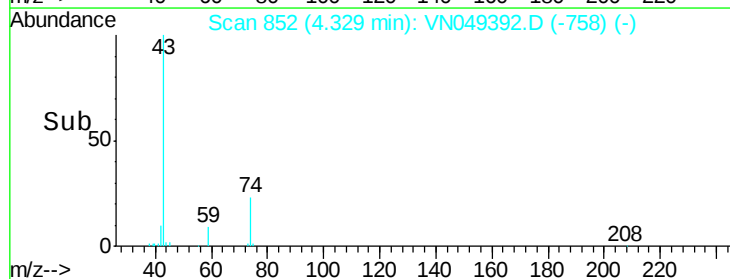
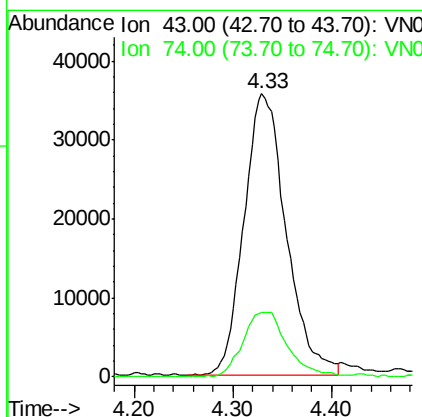
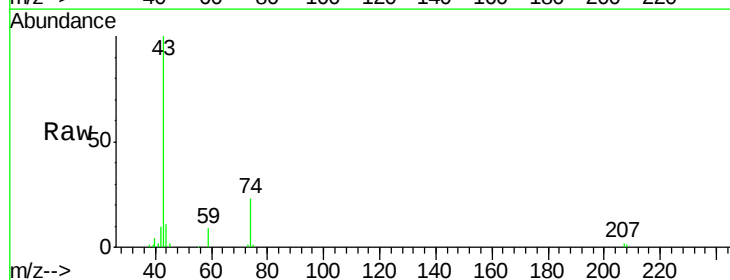
Instrument :
MSVOA_N
ClientSampleId :

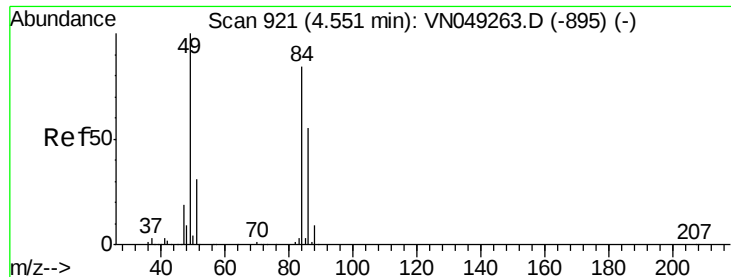
Tot Ion: 76 Resp: 11882
Ion Ratio Lower Upper
76 100
78 15.1 7.4 11.0#



#18
Methyl Acetate
Concen: 8.01 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 43 Resp: 105260
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0

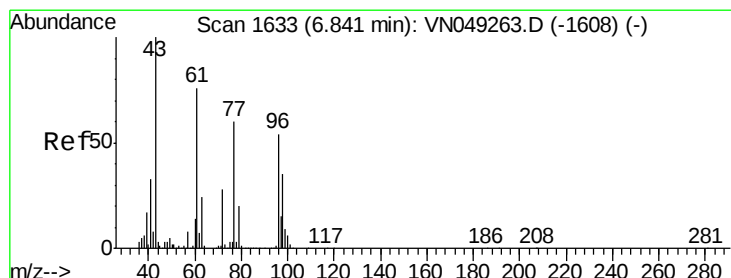
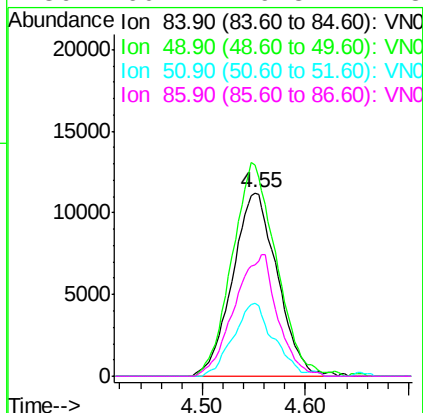
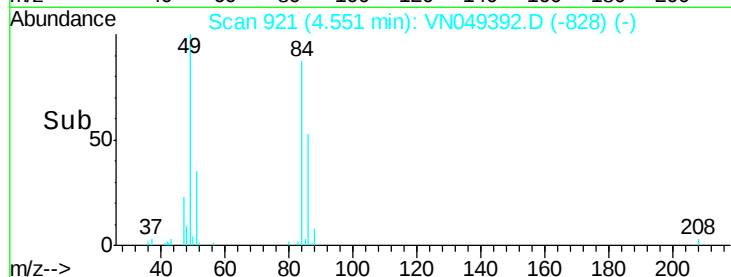
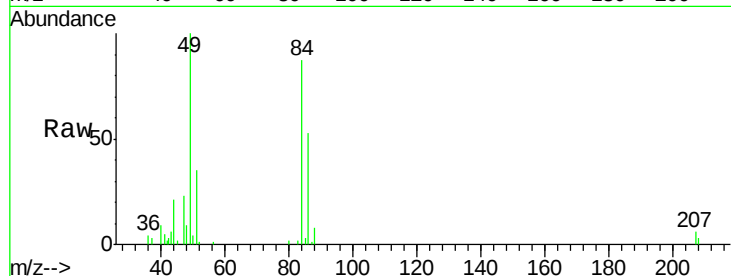




#20
Methvlene Chloride
Concen: 1.88 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

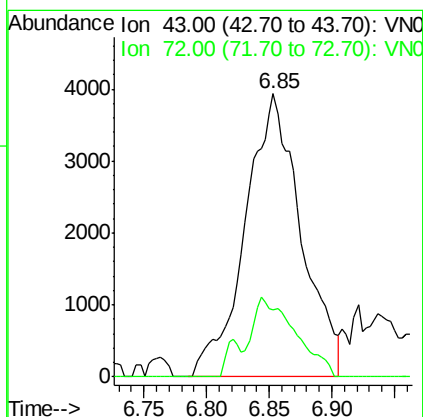
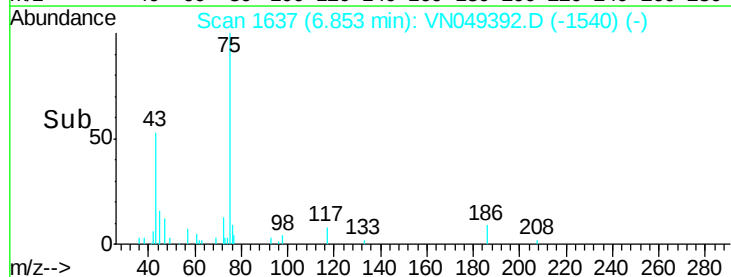
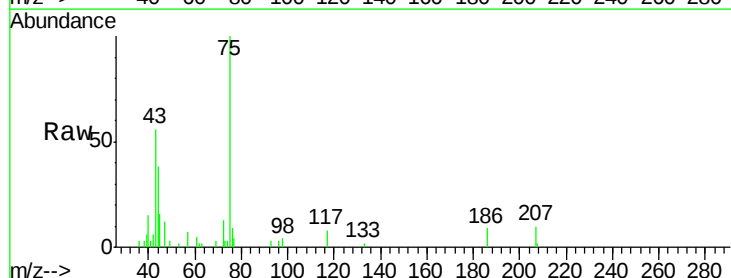
Instrument :
MSVOA_N
ClientSampleId :

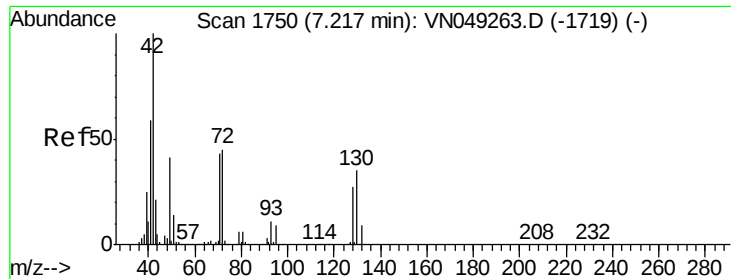
Tot Ion: 84 Resp: 33891
Ion Ratio Lower Upper
84 100
49 115.0 106.9 160.3
51 39.9 32.7 49.1
86 60.7 49.8 74.8



#25
2-Butanone
Concen: 2.10 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 43 Resp: 12185
Ion Ratio Lower Upper
43 100
72 23.7 20.2 30.2

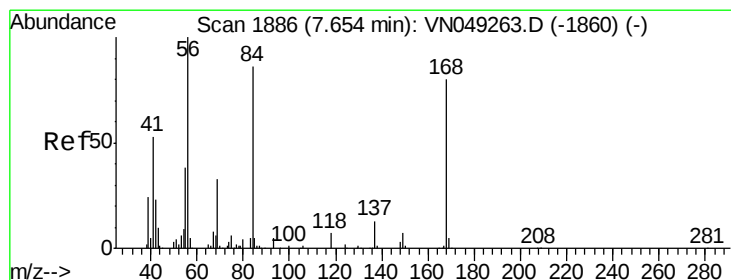
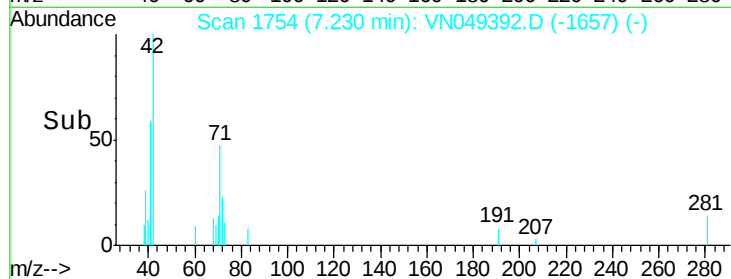
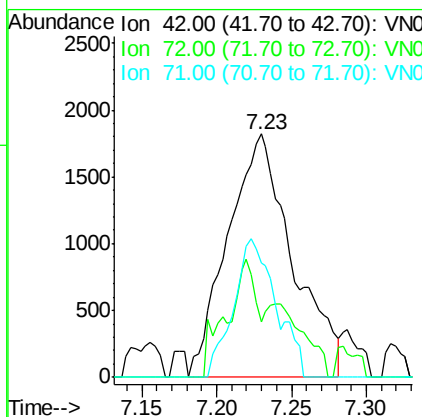
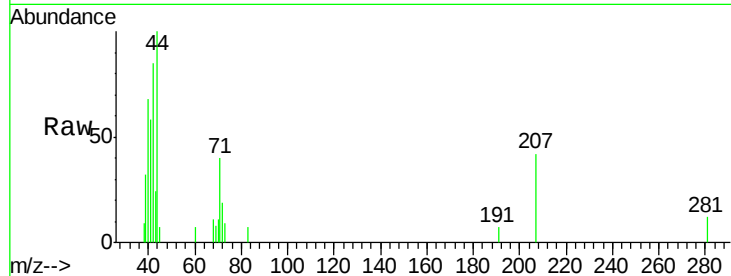




#29
Tetrahydrofuran
Concen: 1.47 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.01 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

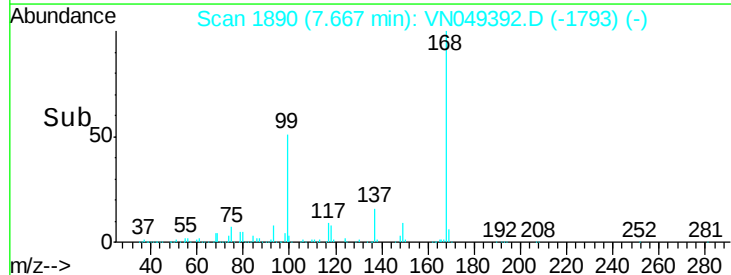
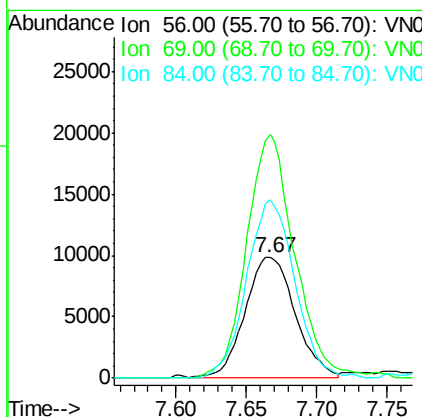
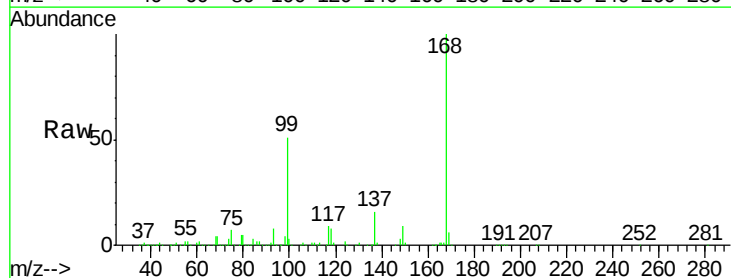
Instrument :
MSVOA_N
ClientSampled :

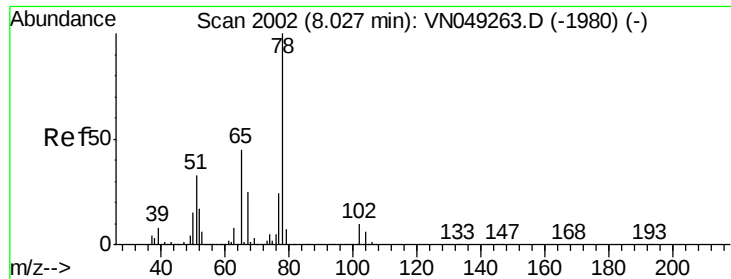
Tot Ion: 42 Resp: 5484
Ion Ratio Lower Upper
42 100
72 22.6 32.2 48.4#
71 37.3 30.5 45.7



#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 56 Resp: 24601
Ion Ratio Lower Upper
56 100
69 202.2 25.0 37.4#
84 147.6 64.6 96.8#

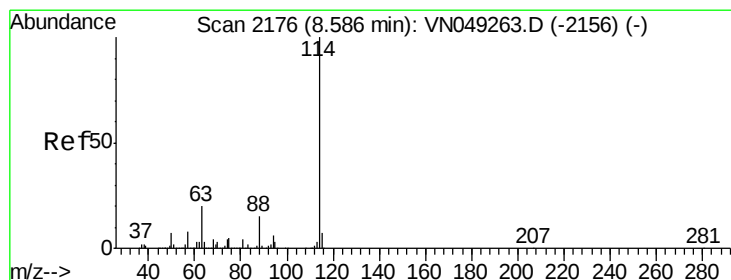
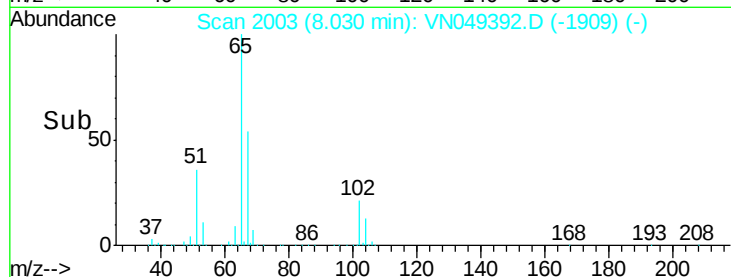
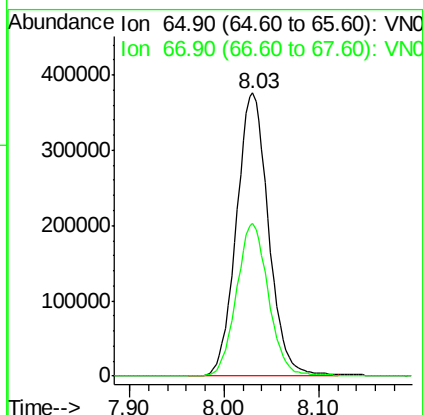
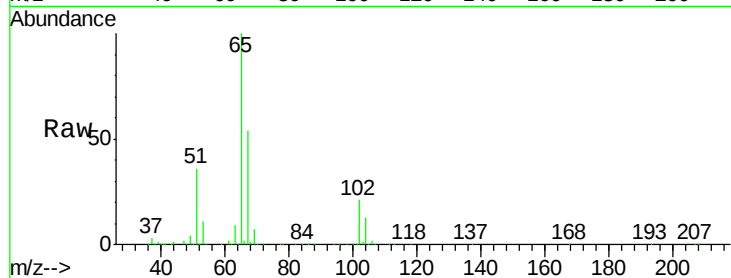




#33
 1,2-Dichloroethane-d4
 Concen: 50.04 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049392.D
 Acq: 19 Jun 2018 18:12

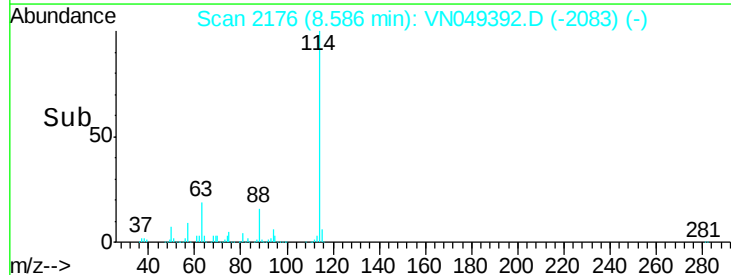
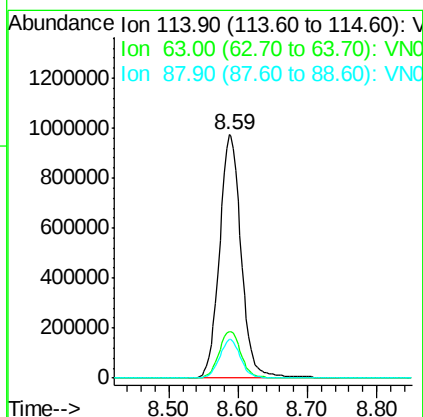
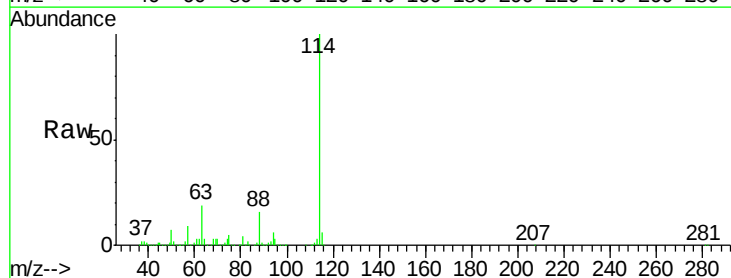
Instrument :
 MSVOA_N
 ClientSampleId :

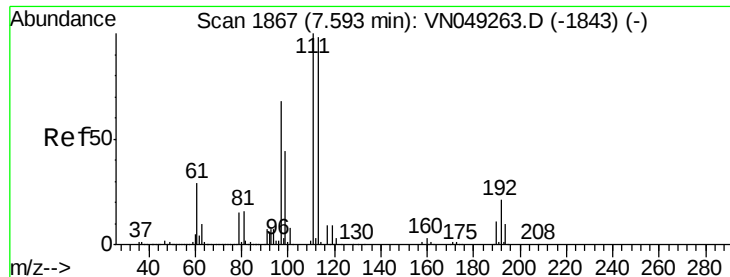
Tot Ion: 65 Resp: 888553
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049392.D
 Acq: 19 Jun 2018 18:12

Tgt Ion: 114 Resp: 2114674
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 44.4
 88 15.8 0.0 31.4

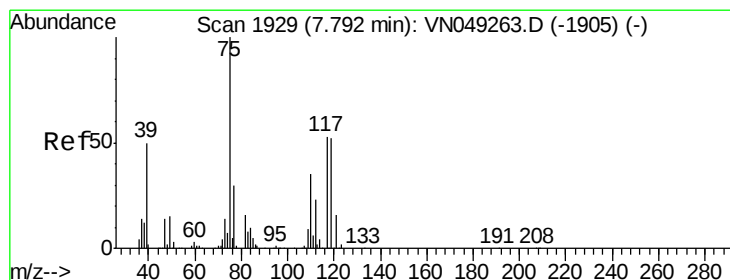
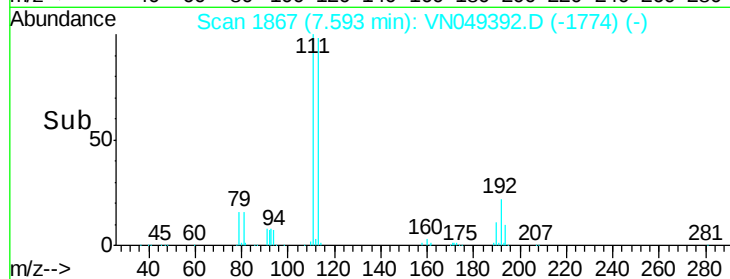
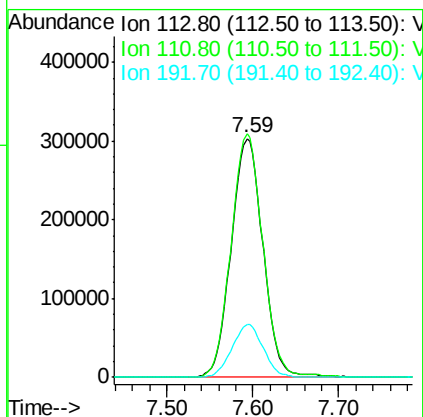
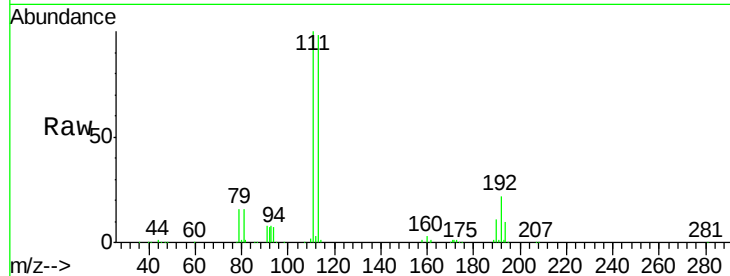




#35
 Dibromofluoromethane
 Concen: 45.52 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049392.D
 Acq: 19 Jun 2018 18:12

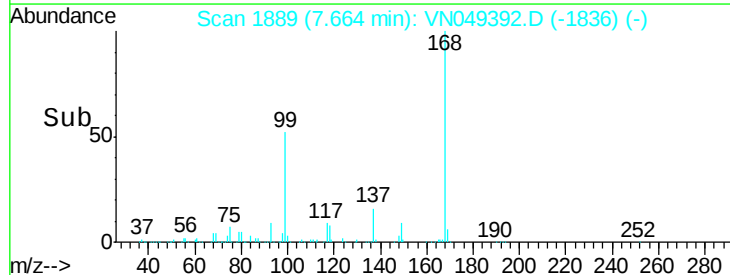
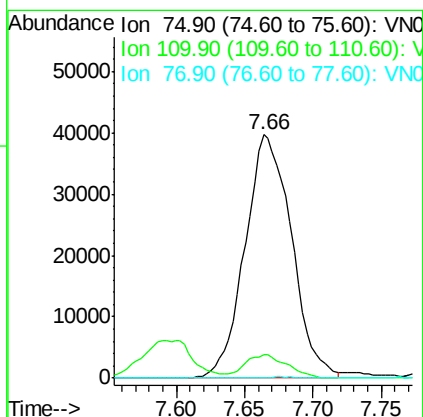
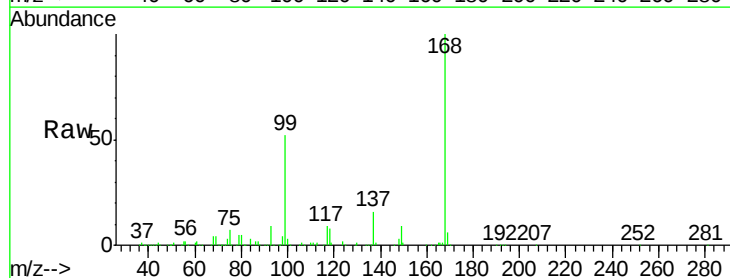
Instrument :
 MSVOA_N
 ClientSampleId :

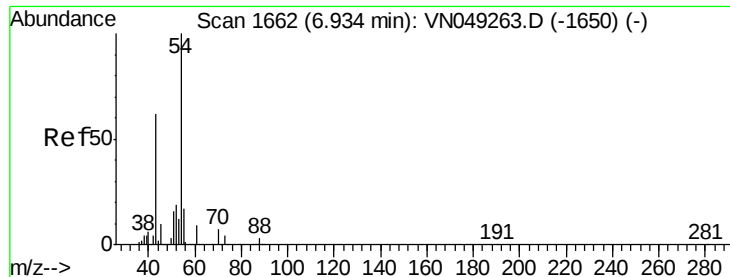
Tot Ion:113 Resp: 778822
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 21.7 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049392.D
 Acq: 19 Jun 2018 18:12

Tgt Ion: 75 Resp: 93945
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.0 50.9#
 77 0.2 24.4 36.6#

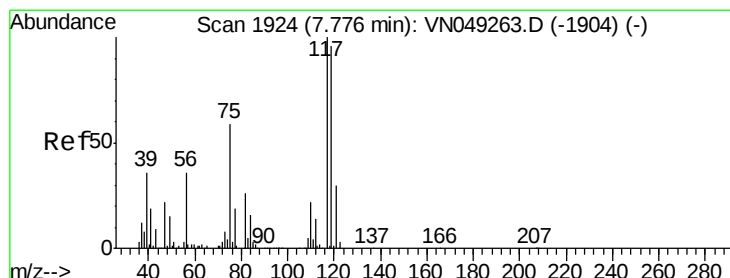
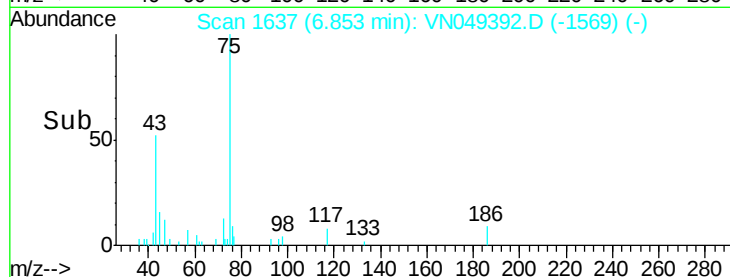
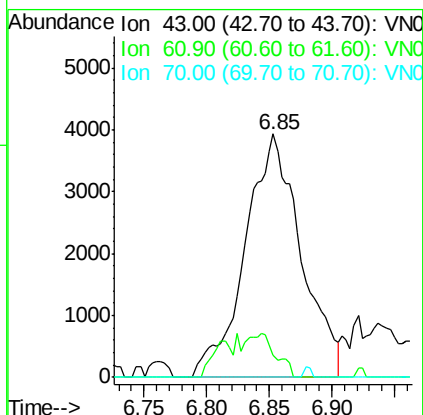
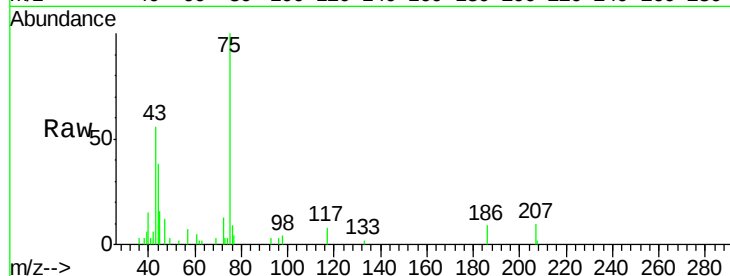




#37
Ethyl Acetate
Concen: 0.92 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. -0.08 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

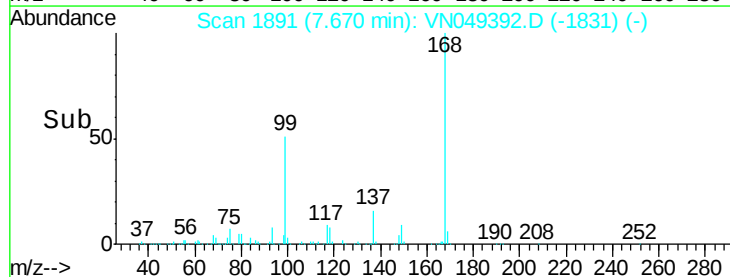
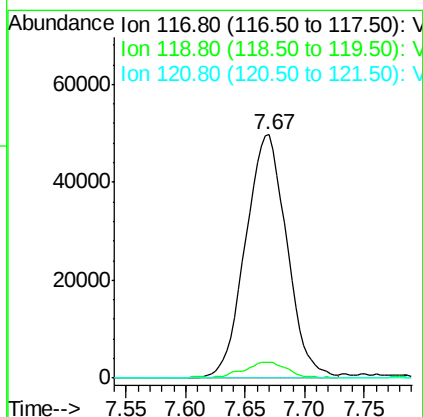
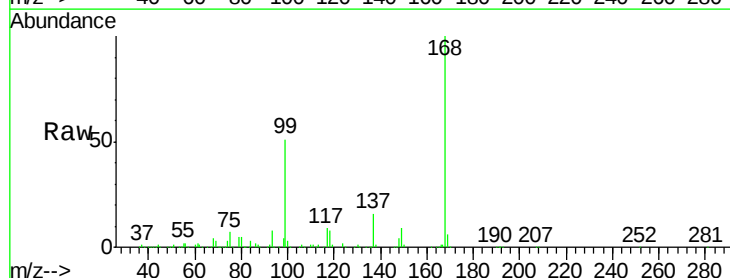
Instrument :
MSVOA_N
ClientSampled :

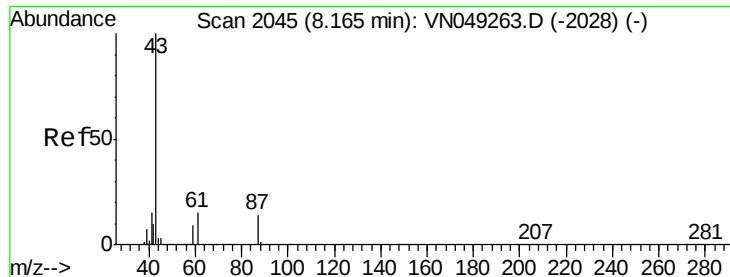
Tot Ion: 43 Resp: 12185
Ion Ratio Lower Upper
43 100
61 8.4 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.78 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 117 Resp: 119868
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 6.53 ug/l

RT: 8.23 min Scan# 2065

Delta R.T. 0.06 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

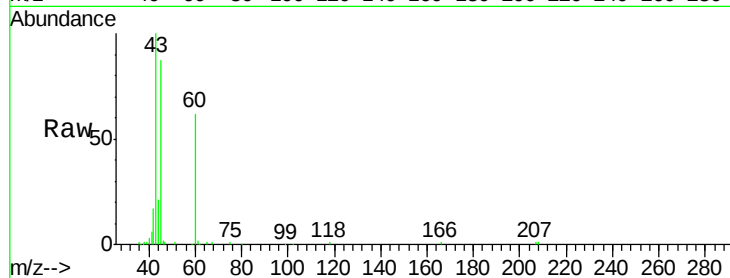
Tot Ion: 43 Resp: 164308

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

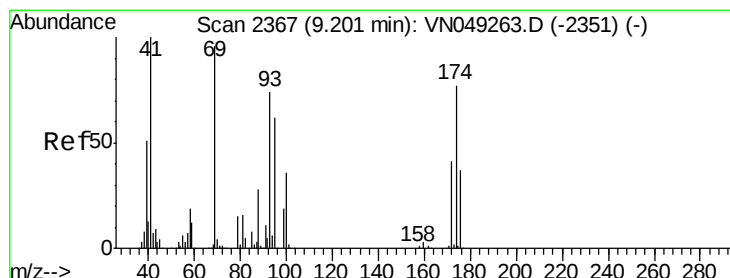
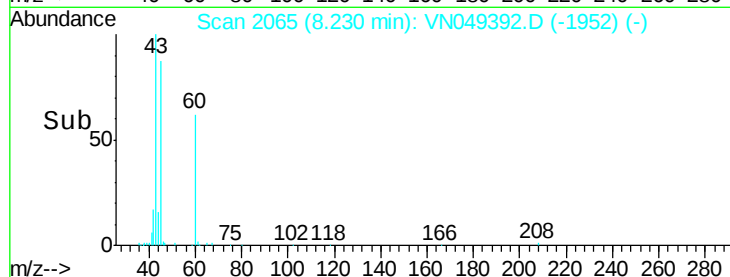
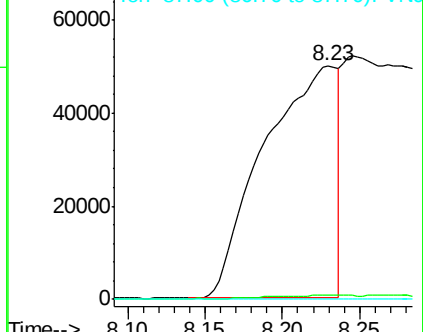
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049392.D (-2065) (-)

Ion 61.00 (60.70 to 61.70): VN049392.D (-2065) (-)

Ion 87.00 (86.70 to 87.70): VN049392.D (-2065) (-)



#49

1,4-Dioxane

Concen: 5.11 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

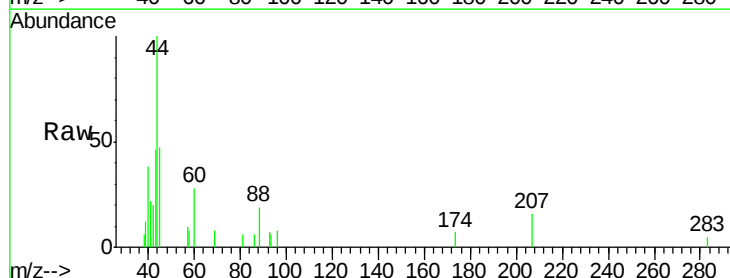
Tgt Ion: 88 Resp: 836

Ion Ratio Lower Upper

88 100

43 45.5 30.9 46.3

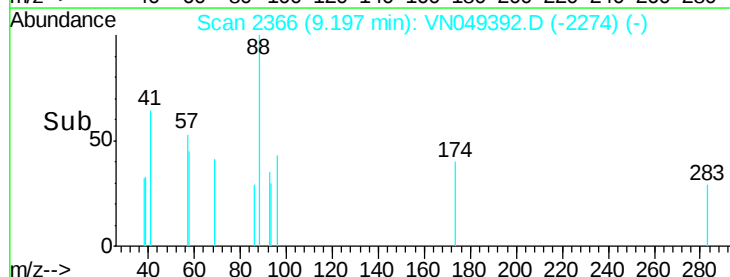
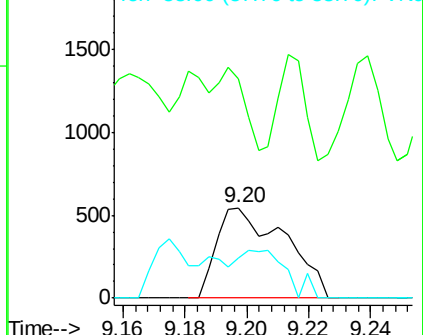
58 38.0 58.9 88.3#

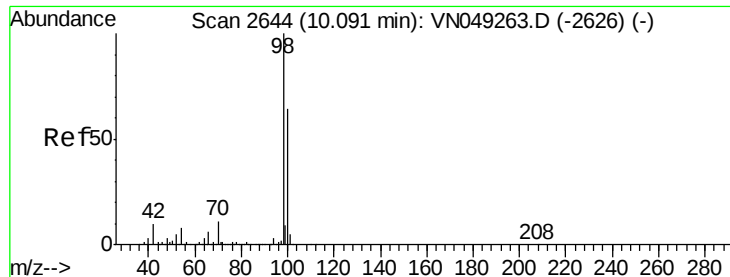


Abundance Ion 88.00 (87.70 to 88.70): VN049392.D (-2366) (-)

Ion 43.00 (42.70 to 43.70): VN049392.D (-2366) (-)

Ion 58.00 (57.70 to 58.70): VN049392.D (-2366) (-)

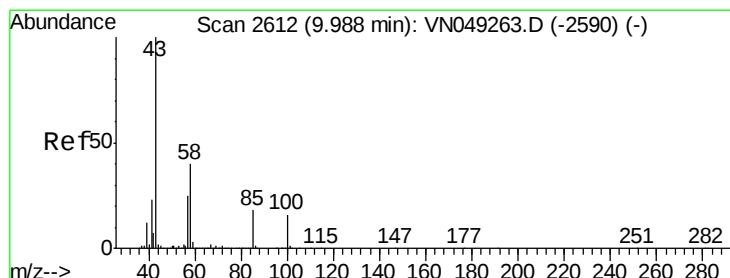
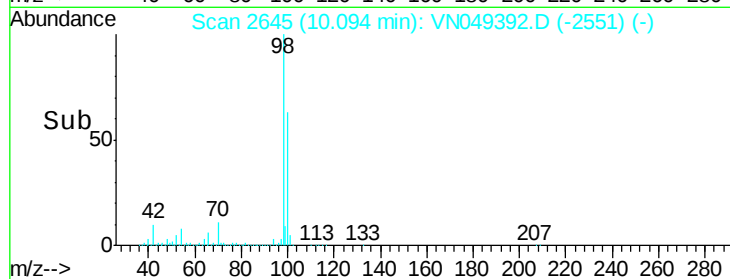
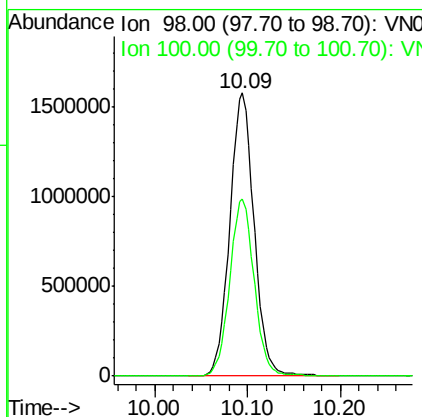
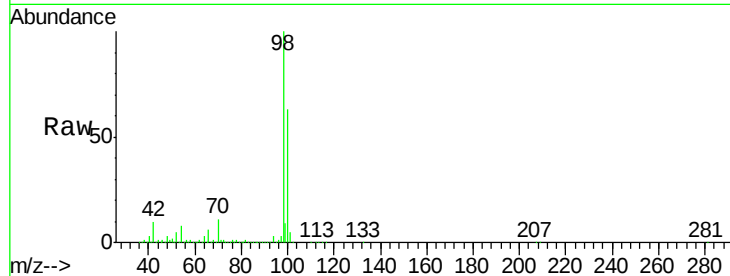




#50
Toluene-d8
Concen: 44.11 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

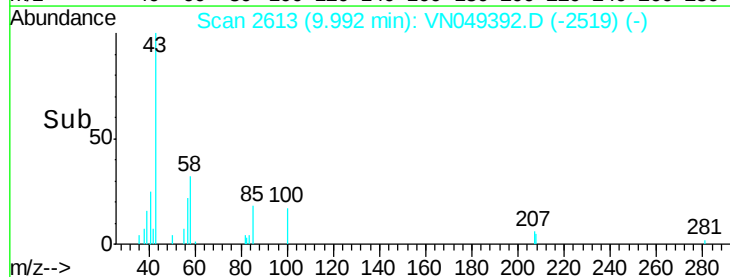
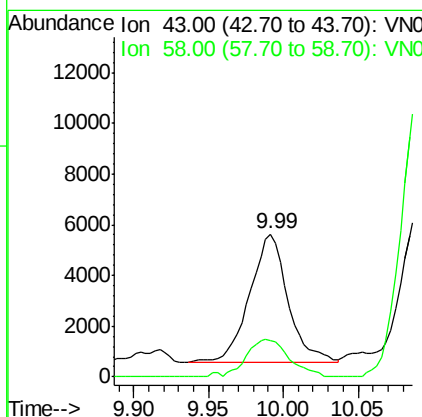
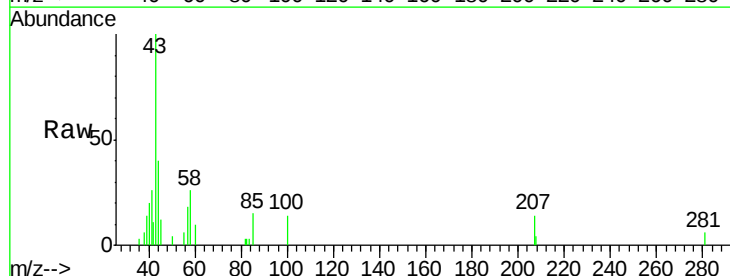
Instrument :
MSVOA_N
ClientSampleId :

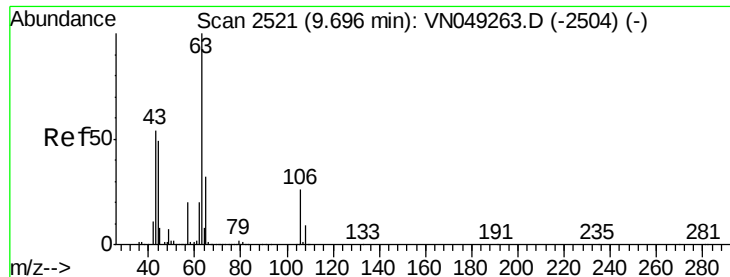
Tot Ion: 98 Resp: 2873246
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.69 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 43 Resp: 9141
Ion Ratio Lower Upper
43 100
58 32.0 29.0 43.6





#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.71 min Scan# 2525

Delta R.T. 0.01 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

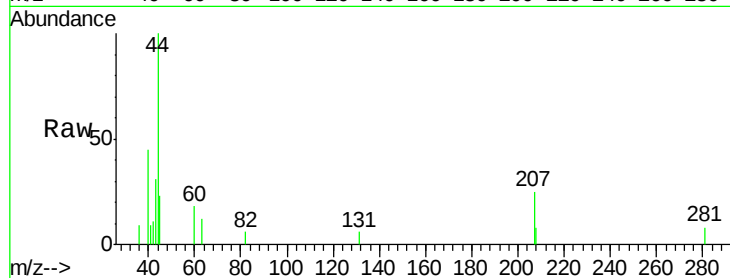
ClientSampleId :

Tot Ion: 63 Resp: 185

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

9.71

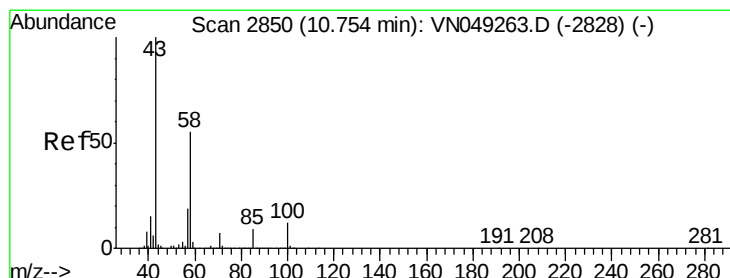
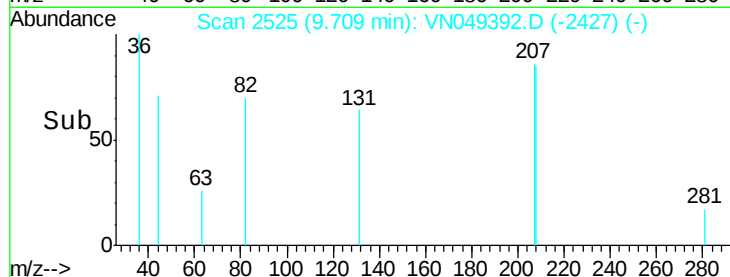
300

200

100

0

Time--> 9.69 9.70 9.71 9.72



#59

2-Hexanone

Concen: 0.82 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049392.D

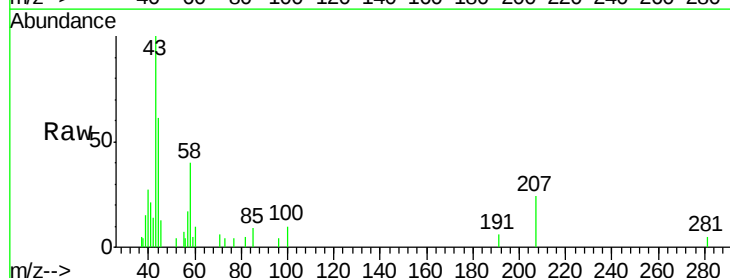
Acq: 19 Jun 2018 18:12

Tgt Ion: 43 Resp: 6996

Ion Ratio Lower Upper

43 100

58 53.8 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

5000

4000

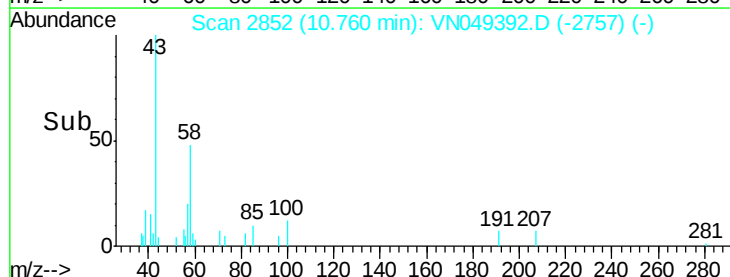
3000

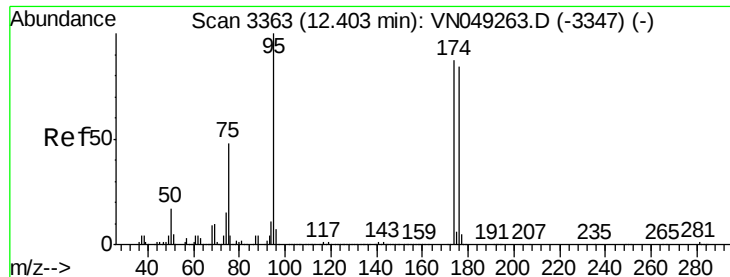
2000

1000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 34.08 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

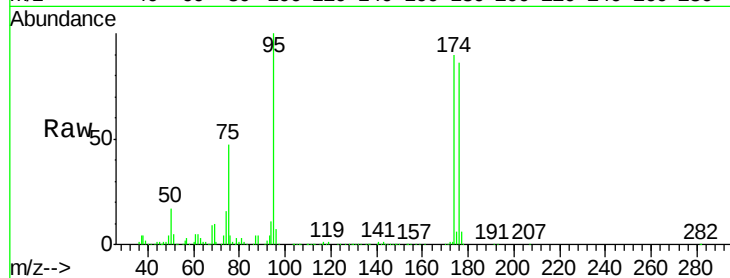
Tot Ion: 95 Resp: 734145

Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.6

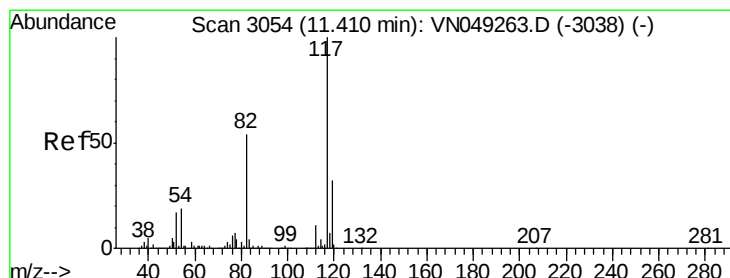
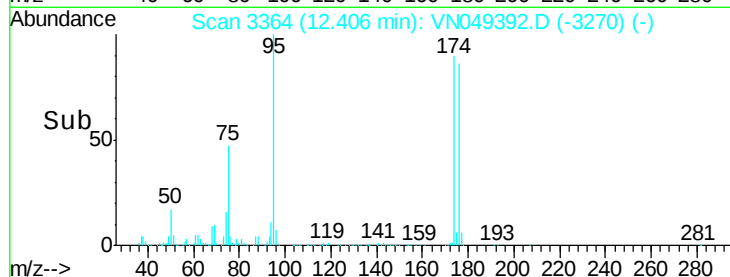
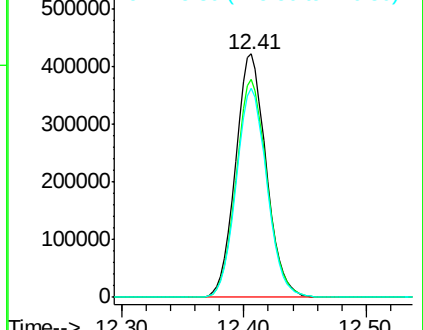
176 86.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049392.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049392.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049392.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

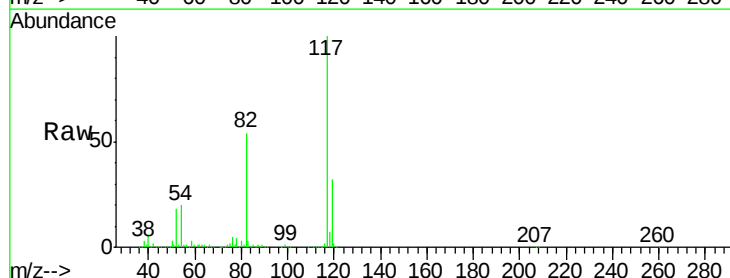
Tgt Ion: 117 Resp: 1739797

Ion Ratio Lower Upper

117 100

82 53.7 45.9 68.9

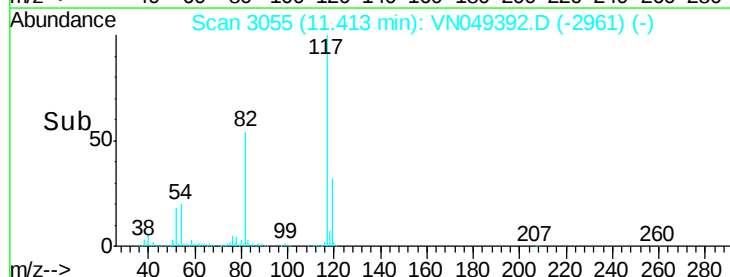
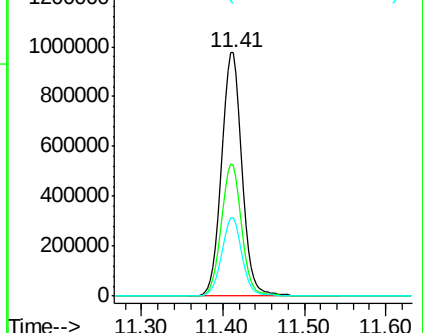
119 32.4 25.5 38.3

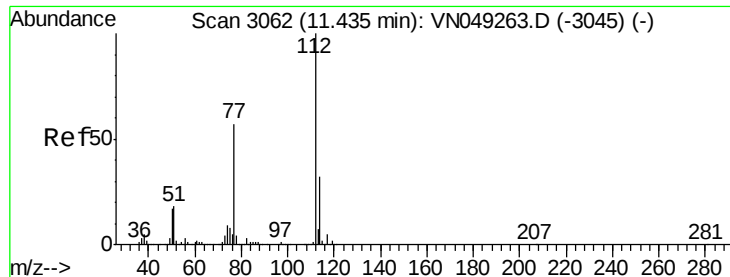


Abundance Ion 116.90 (116.60 to 117.60): VN049392.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049392.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049392.D (-2961) (-)





#65

Chlorobenzene

Concen: 0.56 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

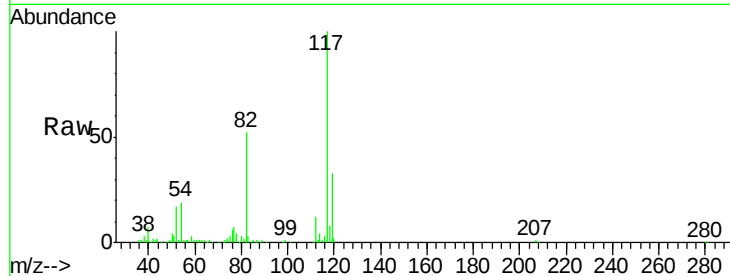
ClientSampleId :

Tot Ion:112 Resp: 25011

Ion Ratio Lower Upper

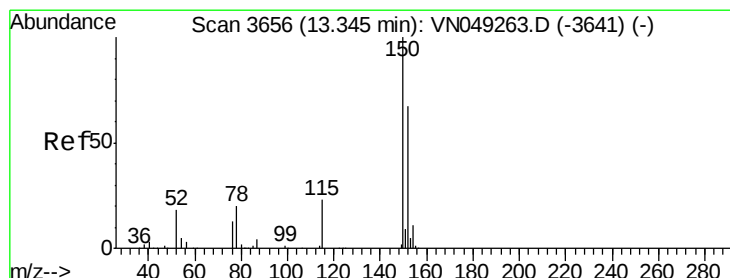
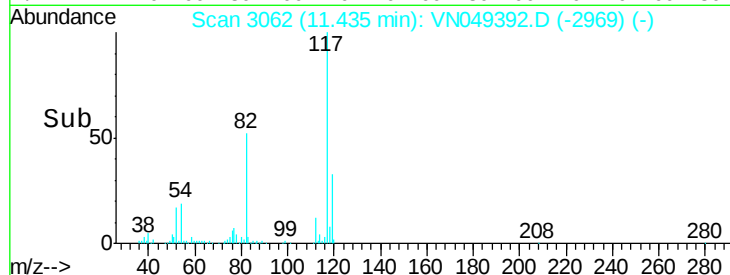
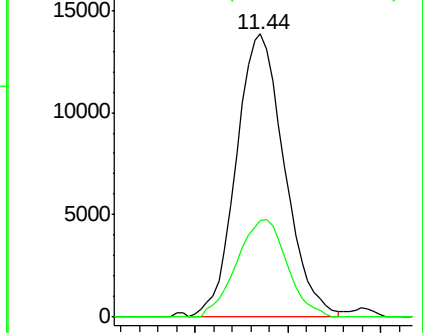
112 100

114 34.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

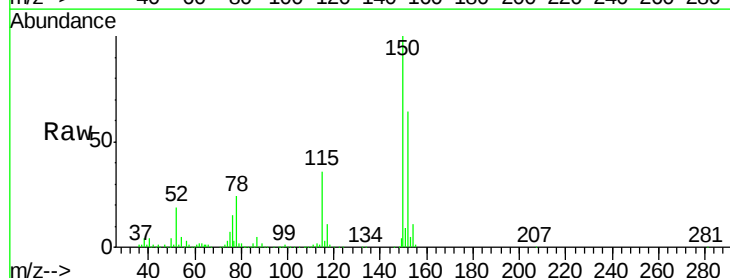
Tgt Ion:152 Resp: 504687

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.1

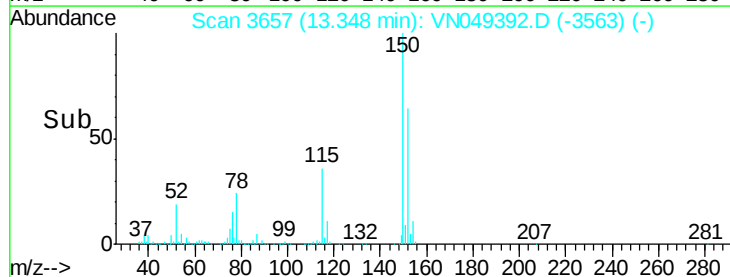
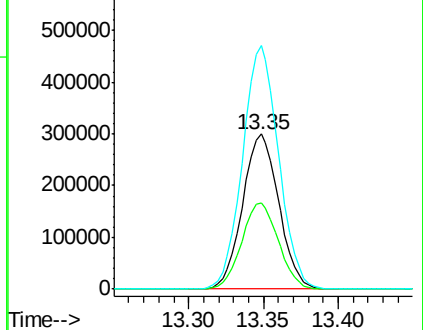
150 156.2 0.0 351.0

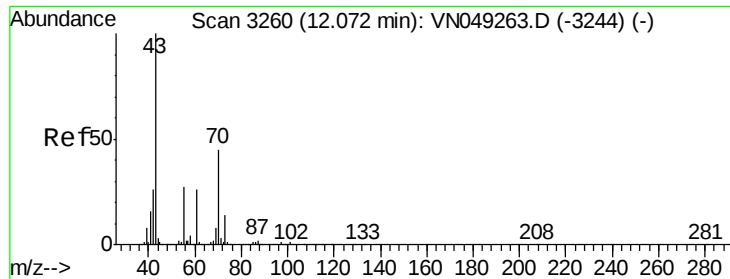


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.30 ug/l

RT: 12.08 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VN049392.D

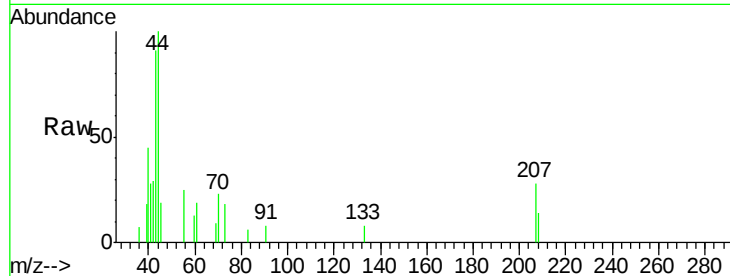
Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	3256
Ion	Ratio	Lower	Upper
43	100		
70	35.3	30.3	45.5
55	35.6	19.4	29.2#
61	20.8	17.8	26.6

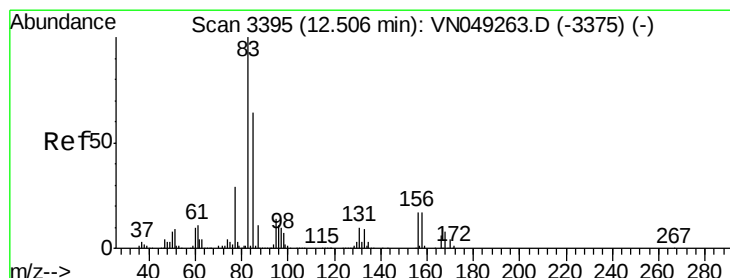
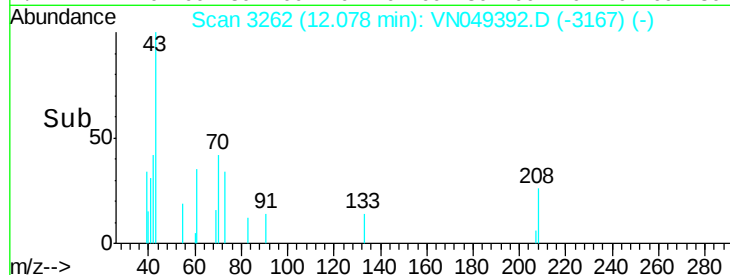
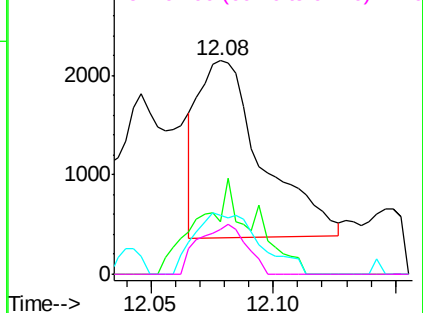


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

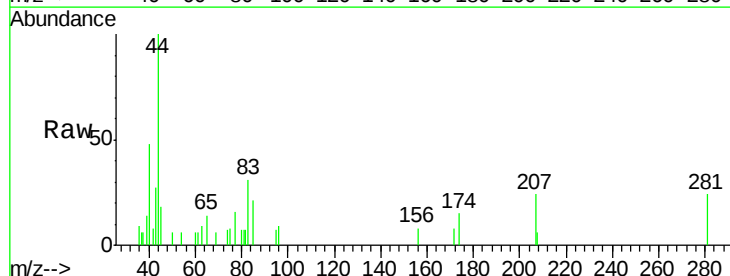
RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

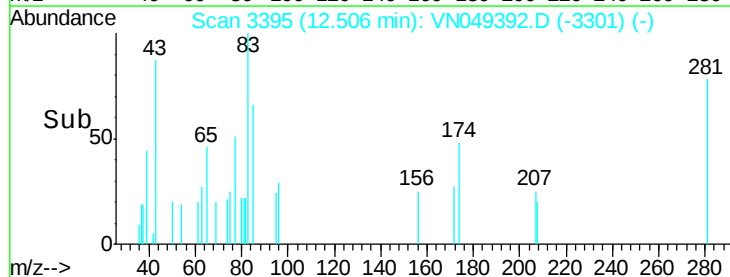
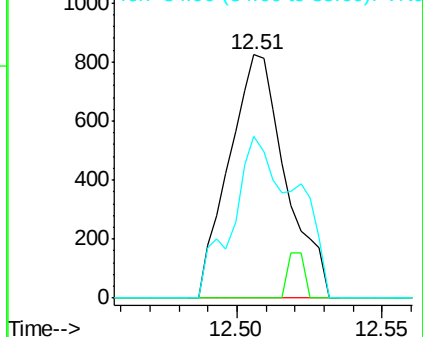
Tgt Ion:	83	Resp:	1117
Ion	Ratio	Lower	Upper
83	100		
131	5.4	5.0	15.0
85	75.0	32.0	96.0

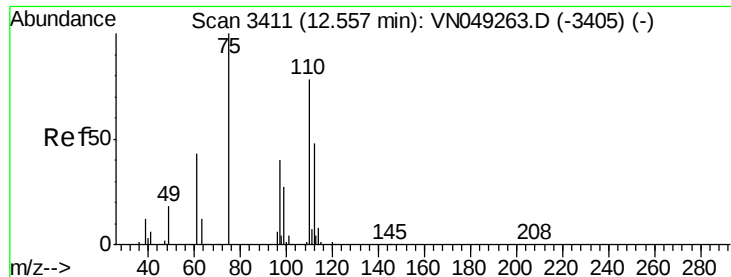


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 41.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

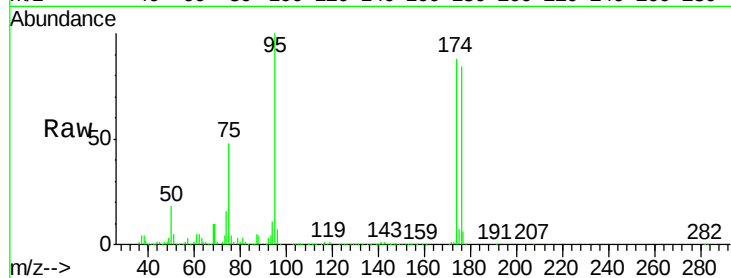
ClientSampled :

Tot Ion: 75 Resp: 354565

Ion Ratio Lower Upper

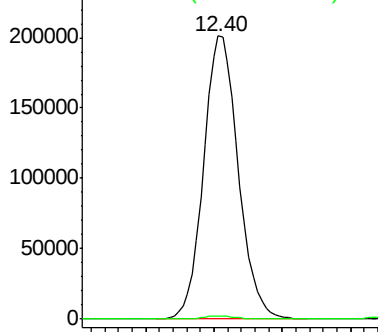
75 100

77 1.1 0.0 0.0#

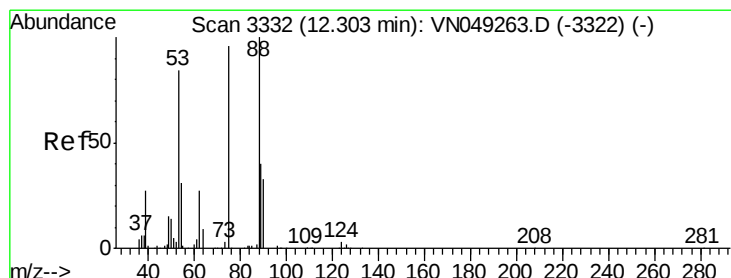
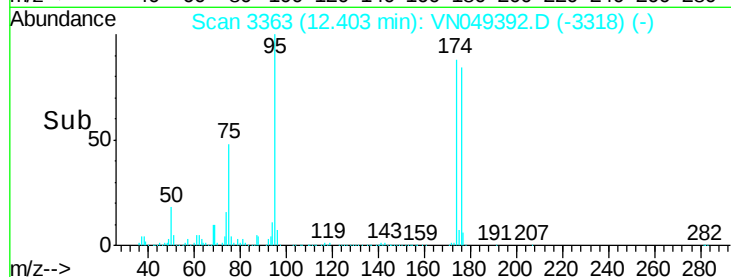


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 130.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

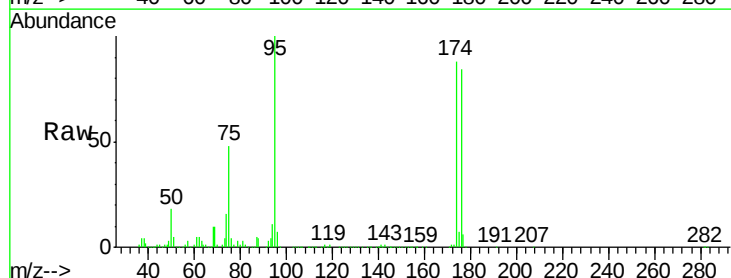
Tgt Ion: 75 Resp: 354565

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

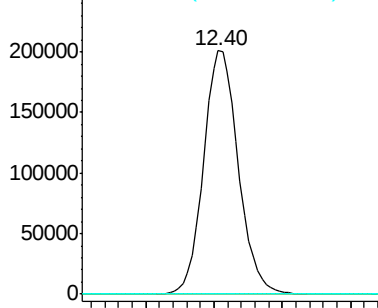
89 0.0 36.5 54.7#



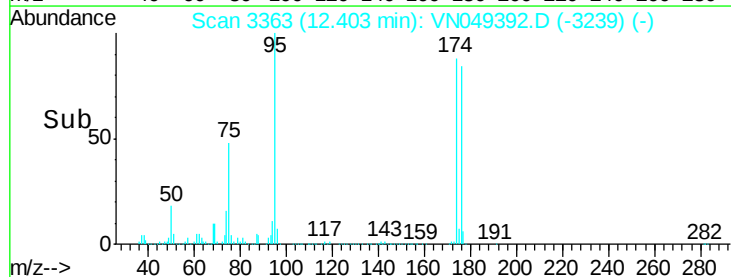
Abundance Ion 74.90 (74.60 to 75.60): VNO

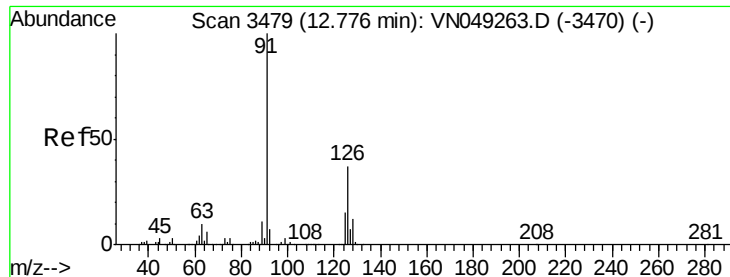
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time-->

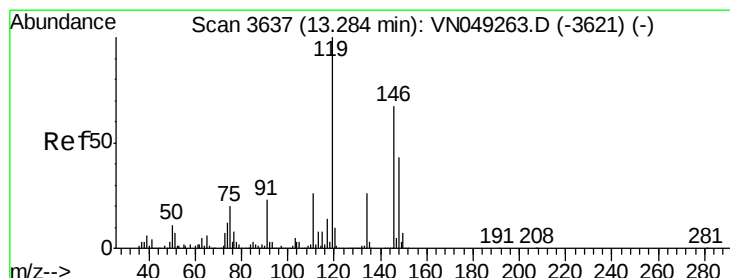
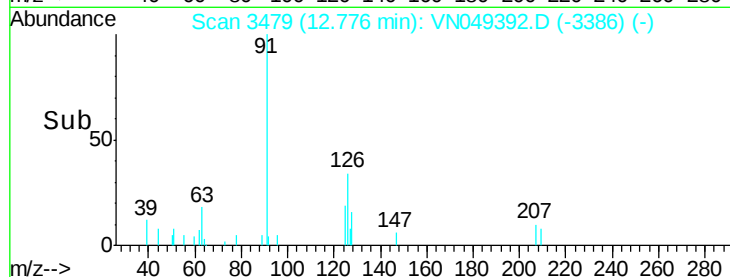
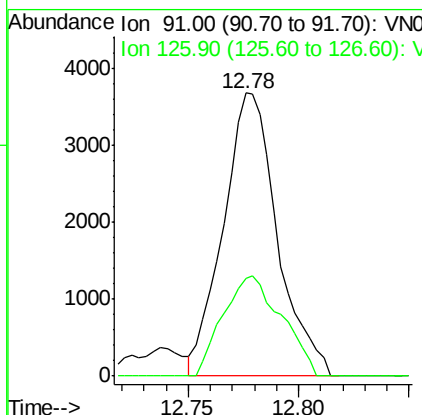
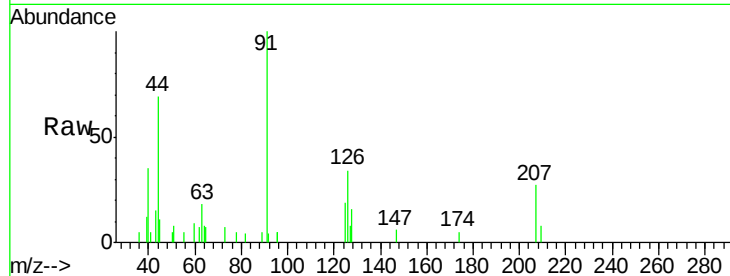




#82
4-Chlorotoluene
Concen: 0.21 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. -0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

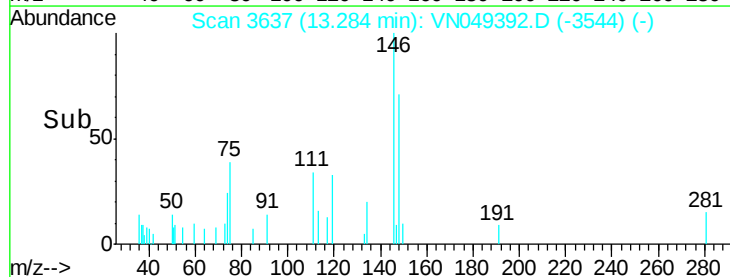
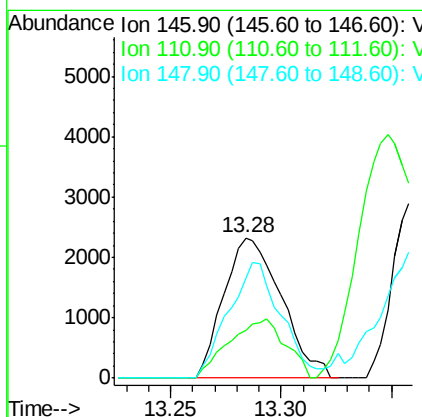
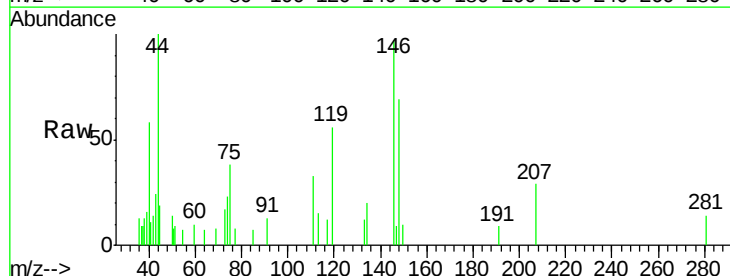
Instrument :
MSVOA_N
ClientSampleId :

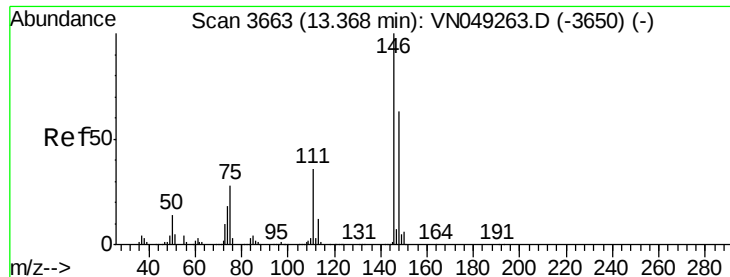
Tot Ion: 91 Resp: 6274
Ion Ratio Lower Upper
91 100
126 38.3 16.4 49.1



#87
1,3-Dichlorobenzene
Concen: 0.22 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN049392.D
Acq: 19 Jun 2018 18:12

Tgt Ion: 146 Resp: 4203
Ion Ratio Lower Upper
146 100
111 41.5 19.9 59.6
148 74.7 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 0.22 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.08 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

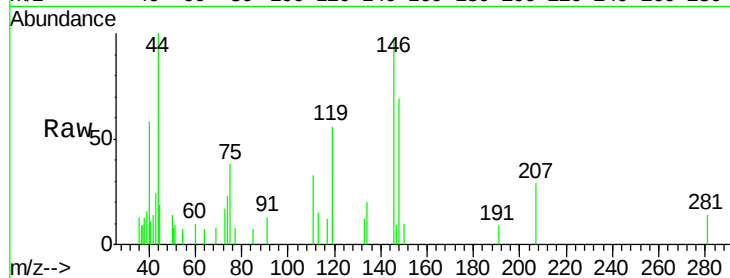
Tot Ion:146 Resp: 4203

Ion Ratio Lower Upper

146 100

111 41.5 19.1 57.1

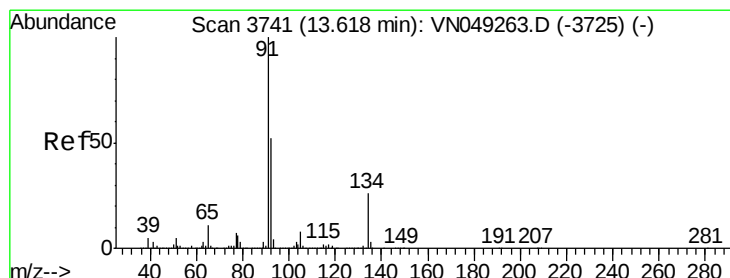
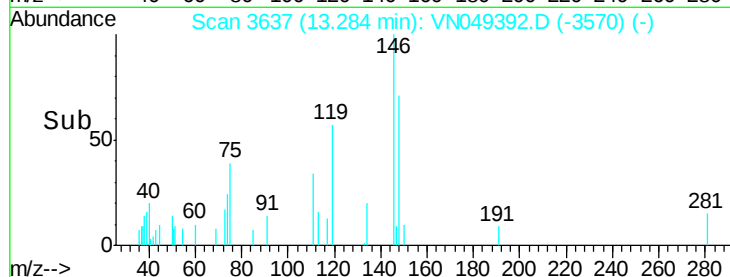
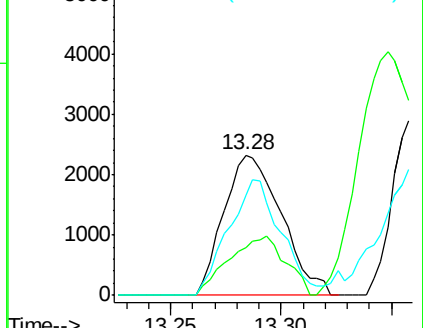
148 74.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.21 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

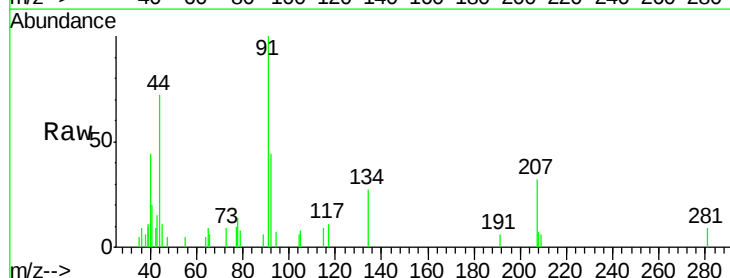
Tgt Ion: 91 Resp: 5526

Ion Ratio Lower Upper

91 100

92 46.9 25.1 75.4

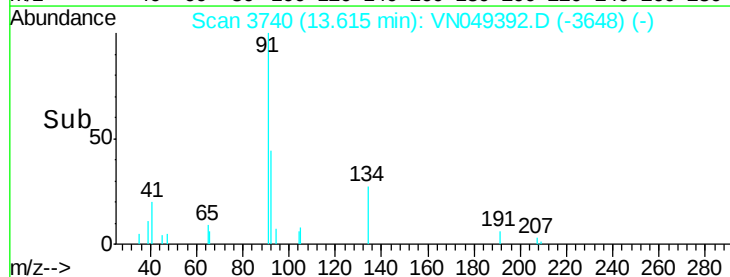
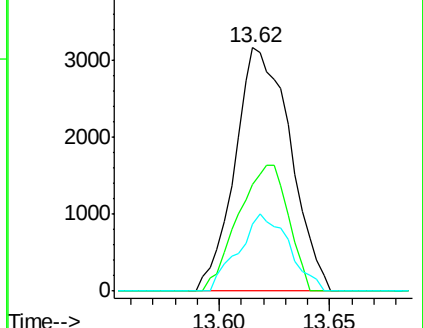
134 28.8 12.0 36.0

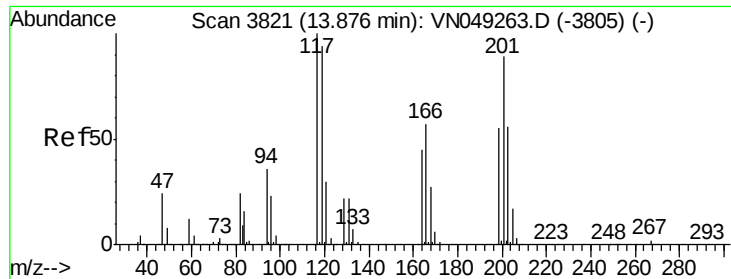


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3818

Delta R.T. -0.01 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

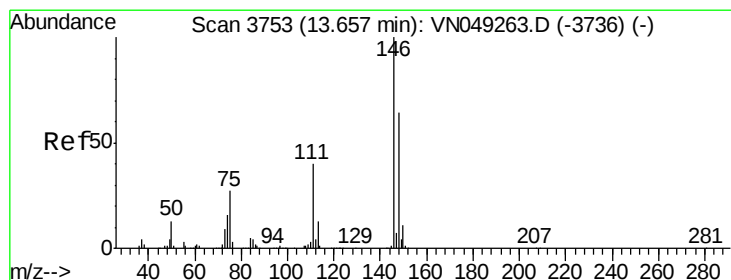
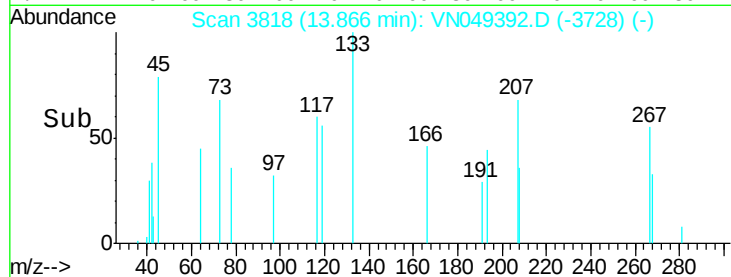
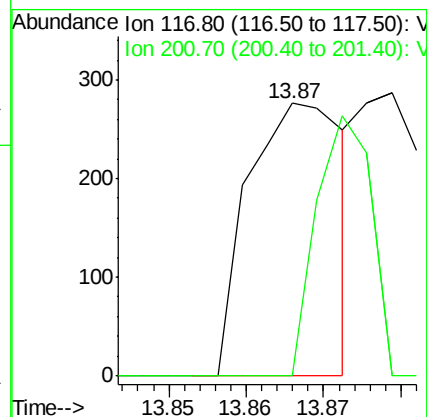
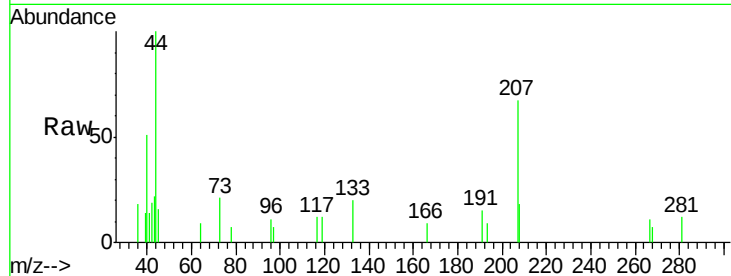
ClientSampled :

Tot Ion:117 Resp: 236

Ion Ratio Lower Upper

117 100

201 54.7 40.1 120.2



#91

1,2-Dichlorobenzene

Concen: 0.26 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

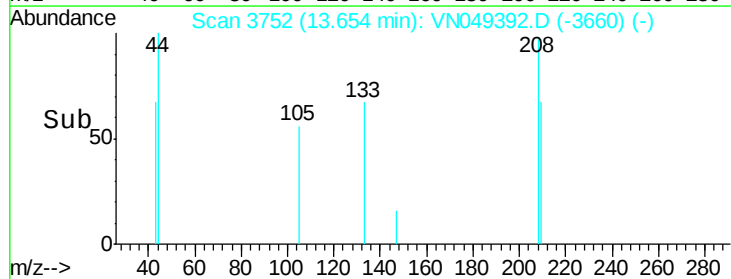
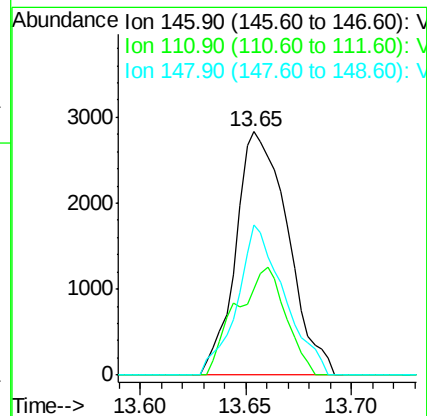
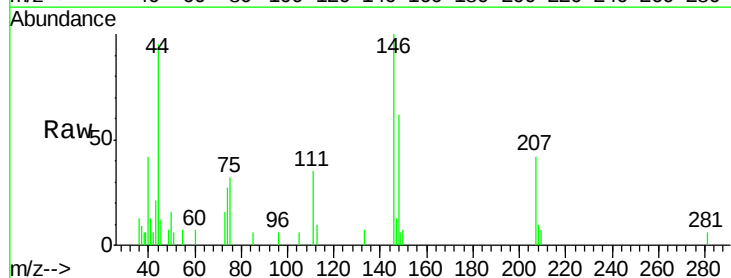
Tgt Ion:146 Resp: 4848

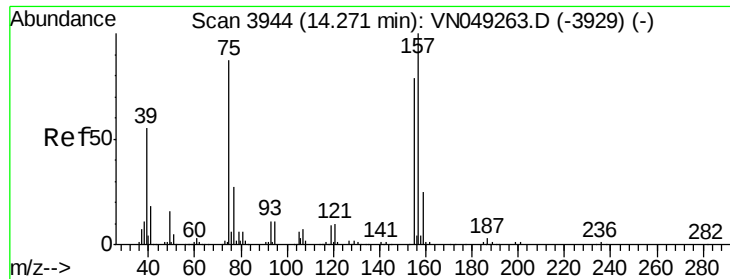
Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.2

148 55.9 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.29 ug/l

RT: 14.29 min Scan# 3949

Delta R.T. 0.02 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

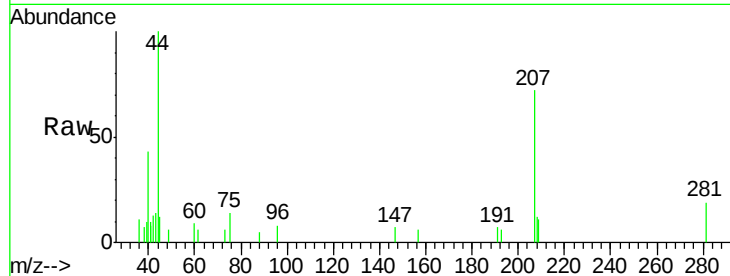
Tot Ion: 75 Resp: 444

Ion Ratio Lower Upper

75 100

155 72.1 38.8 116.3

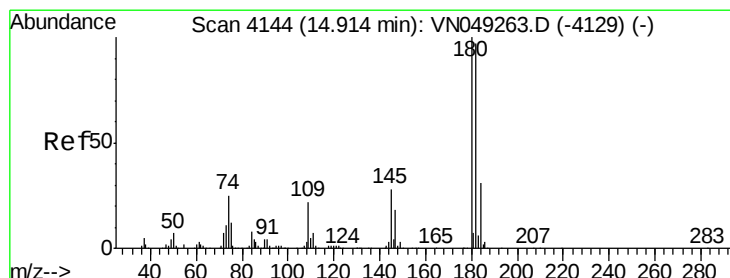
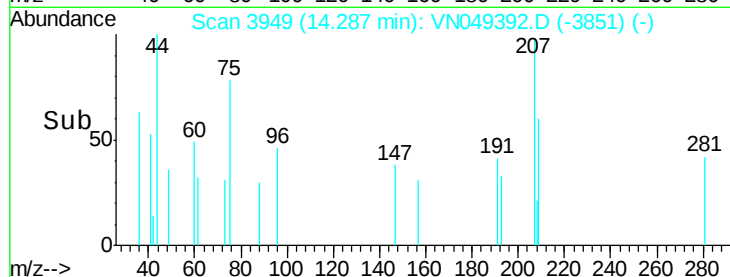
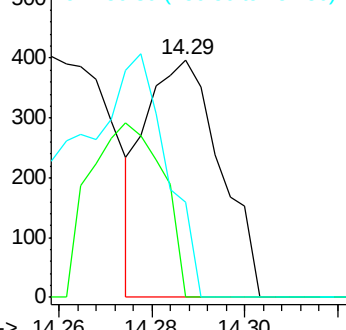
157 126.6 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 5.46 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

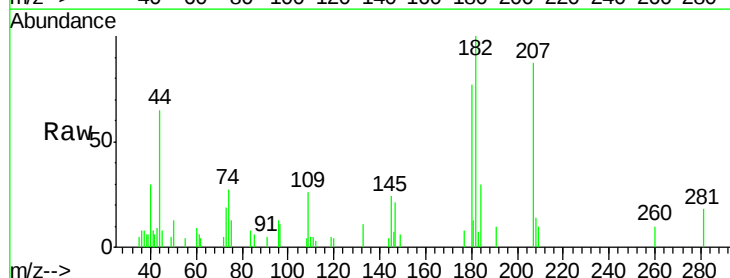
Tgt Ion: 180 Resp: 6845

Ion Ratio Lower Upper

180 100

182 103.8 46.9 140.8

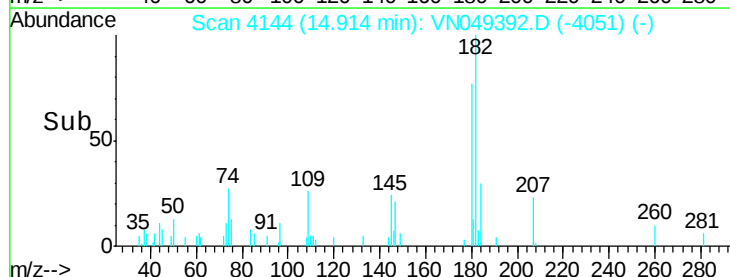
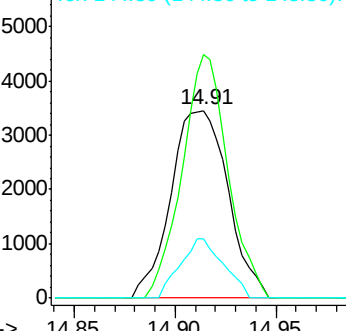
145 23.9 14.7 44.1

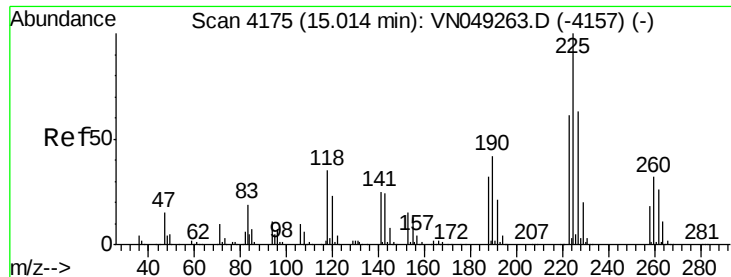


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

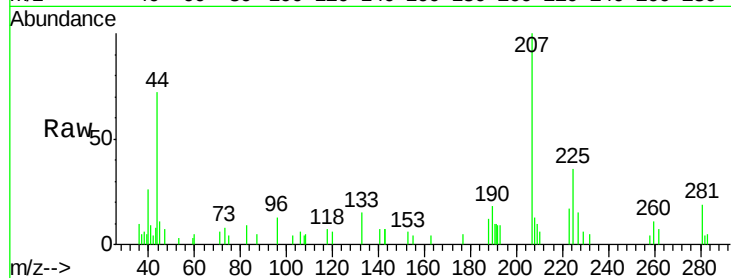
Tot Ion:225 Resp: 2227

Ion Ratio Lower Upper

225 100

223 60.4 32.1 96.3

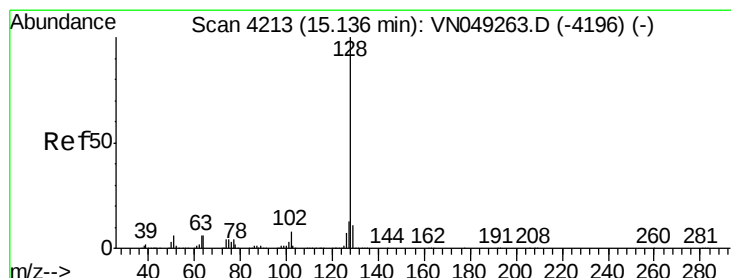
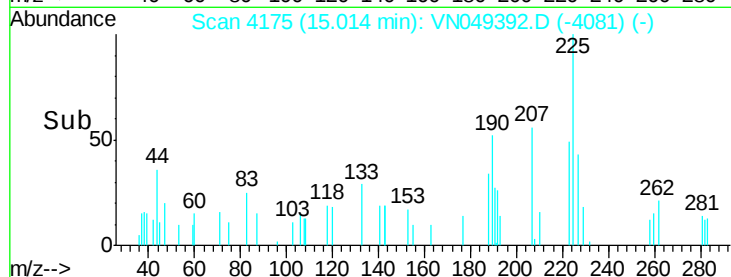
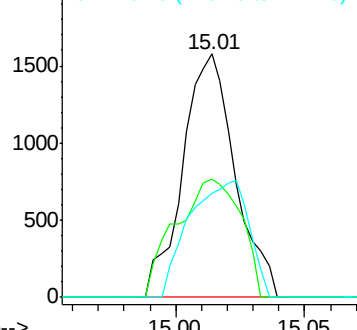
227 54.7 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049392.D

Acq: 19 Jun 2018 18:12

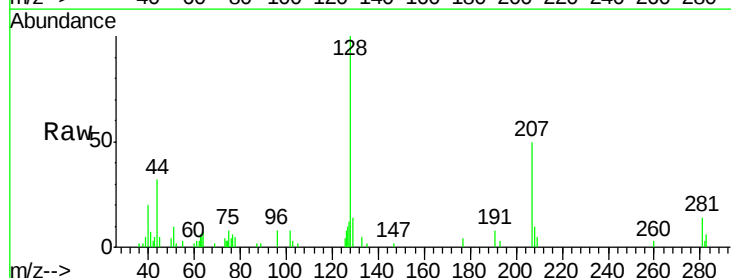
Tgt Ion:128 Resp: 15134

Ion Ratio Lower Upper

128 100

127 16.3 10.6 16.0#

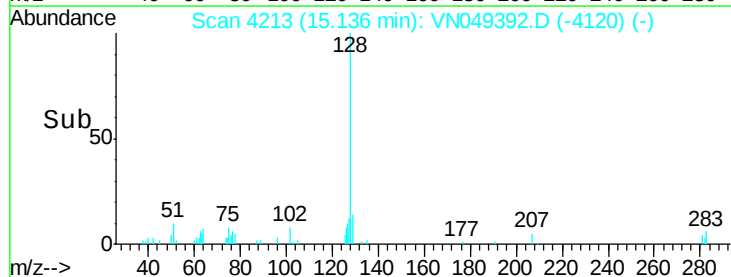
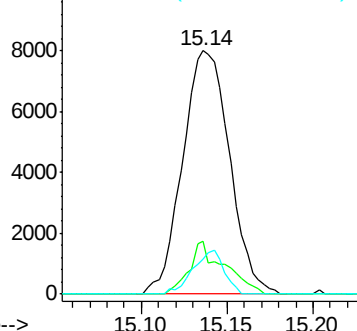
129 11.9 8.5 12.7

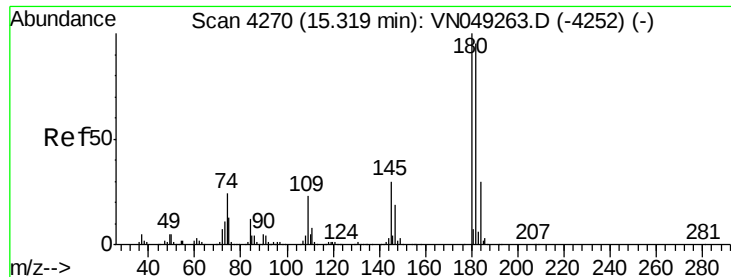


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

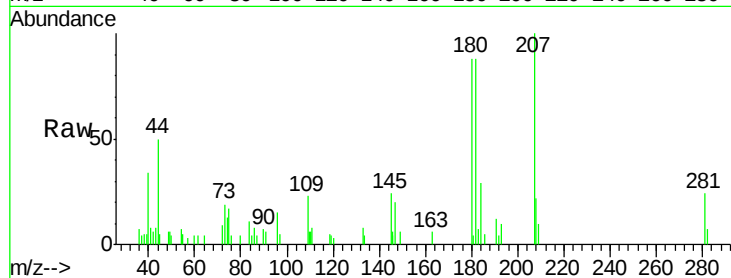




#96
 1,2,3-Trichlorobenzene
 Concen: 4.31 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049392.D
 Acq: 19 Jun 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	17.8	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

