

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049831.D
 Acq On : 14 Jul 2018 6:48
 Operator : MD\SY
 Sample : J3975-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-7

Quant Time: Jul 14 07:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1232681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2027829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1670142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	632990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	839947	58.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.16%	
35) Dibromofluoromethane	7.59	113	772743	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.09	98	2709281	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.40	95	746739	39.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.92%	

Target Compounds

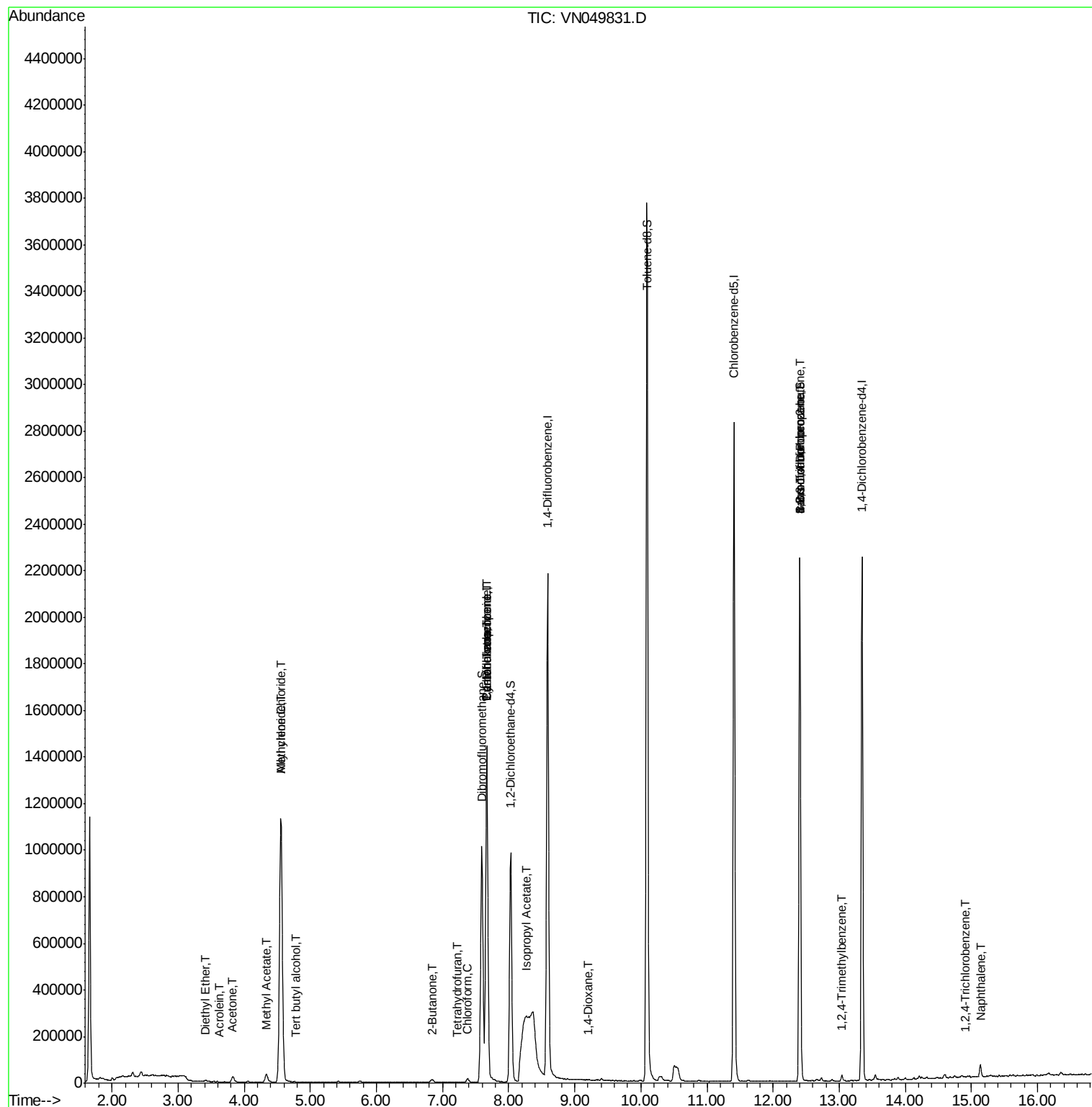
						Qvalue
2) Dichlorodifluoromethane	1.85	85	65	Below Cal	#	44
3) Chloromethane	2.07	50	1626	Below Cal		100
4) Vinyl Chloride	2.19	62	99	Below Cal	#	1
5) Bromomethane	2.57	94	884	Below Cal		96
8) Diethyl Ether	3.41	74	3396	0.41	ug/l	92
11) Tert butyl alcohol	4.79	59	248	0.26	ug/l #	72
13) Acrolein	3.63	56	223	0.26	ug/l #	30
14) Allyl chloride	4.56	41	31474	1.45	ug/l #	26
16) Acetone	3.82	43	38685	8.96	ug/l	89
17) Carbon Disulfide	4.05	76	5941	Below Cal		96
18) Methyl Acetate	4.34	43	66278	4.87	ug/l	99
20) Methylene Chloride	4.55	84	878495	59.90	ug/l	100
25) 2-Butanone	6.85	43	8342	1.49	ug/l	92
29) Tetrahydrofuran	7.22	42	1872	0.53	ug/l #	67
30) Chloroform	7.37	83	14600	0.50	ug/l	92
31) Cyclohexane	7.66	56	22509	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	85056	3.64	ug/l #	49
38) Carbon Tetrachloride	7.67	117	112443	4.60	ug/l #	16
43) Isopropyl Acetate	8.27	43	567191	22.81	ug/l #	62
49) 1,4-Dioxane	9.20	88	58	0.36	ug/l #	1
55) 1,1,2-Trichloroethane	10.56	97	374	Below Cal	#	15
71) Bromoform	12.41	173	6055	0.55	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.55	83	78	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	369308	32.84	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	369308	106.06	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	13143	0.31	ug/l	96
90) Hexachloroethane	13.88	117	421	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.24	75	130	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	139	2.90	ug/l #	12
95) Naphthalene	15.13	128	42392	5.42	ug/l	99

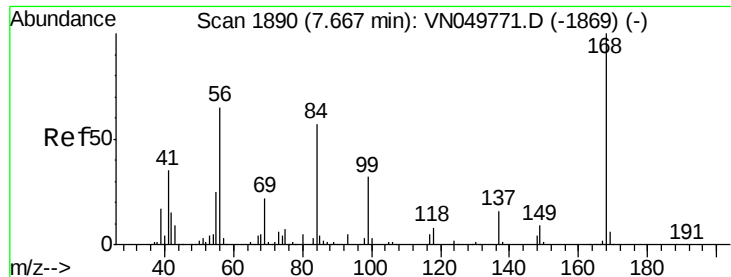
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 14 Jul 2018 6:48
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Quant Time: Jul 14 07:18:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampled :

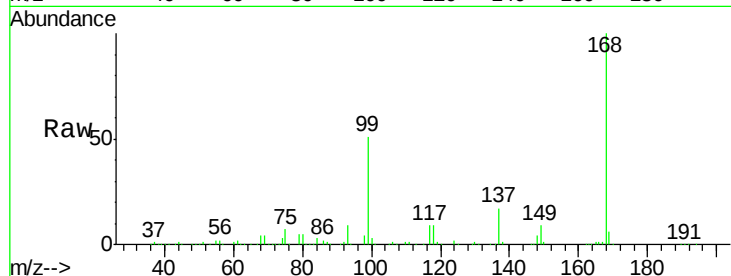
PAR-7

Tot Ion:168 Resp: 1232681

Ion Ratio Lower Upper

168 100

99 51.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

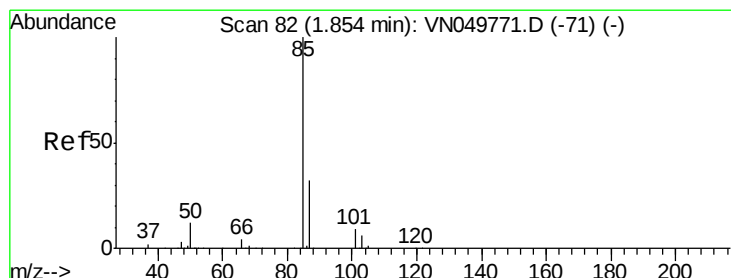
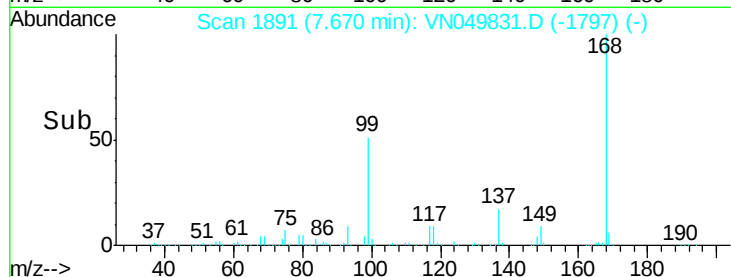
100000

0

7.67

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049831.D

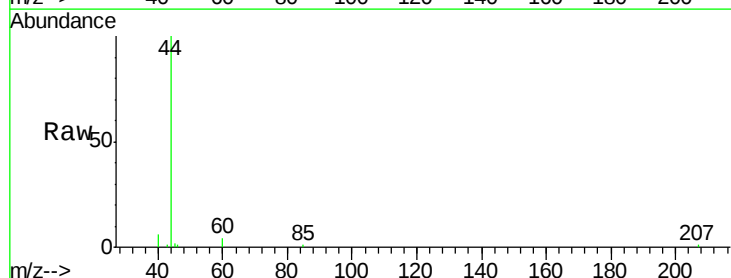
Acq: 14 Jul 2018 6:48

Tgt Ion: 85 Resp: 65

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

200

150

100

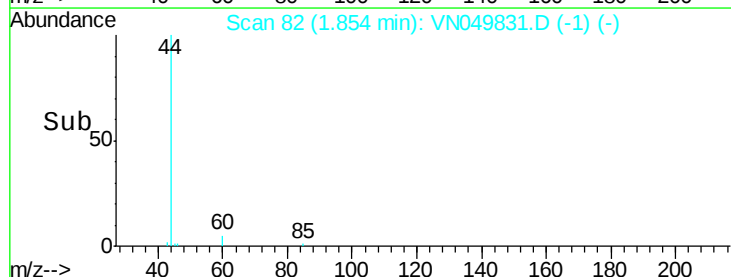
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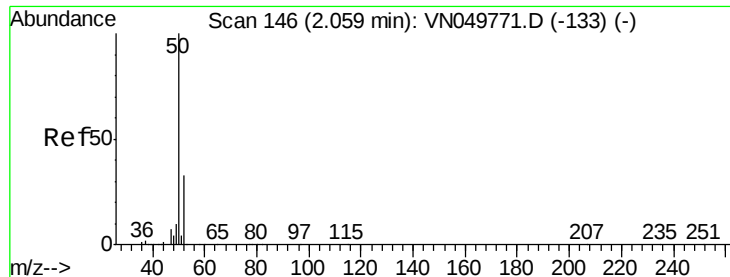
0

1.85

1.84 1.85 1.86

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.07 min Scan# 148

Delta R.T. 0.01 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampled :

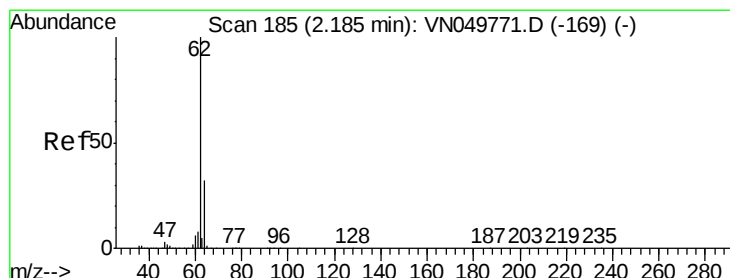
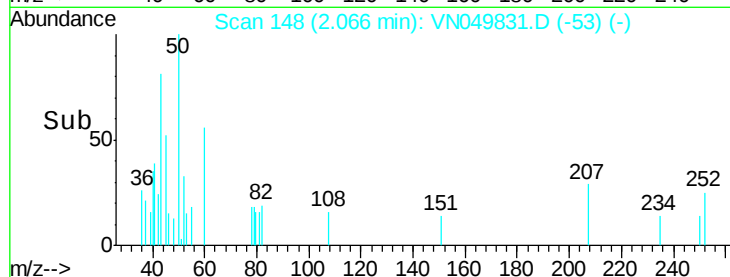
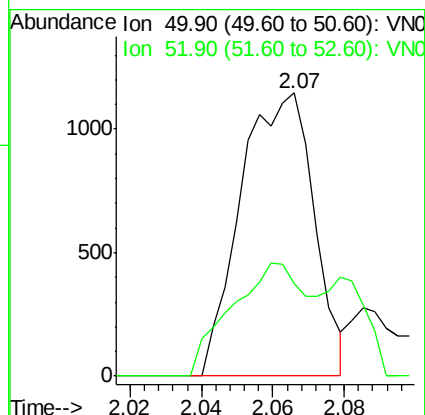
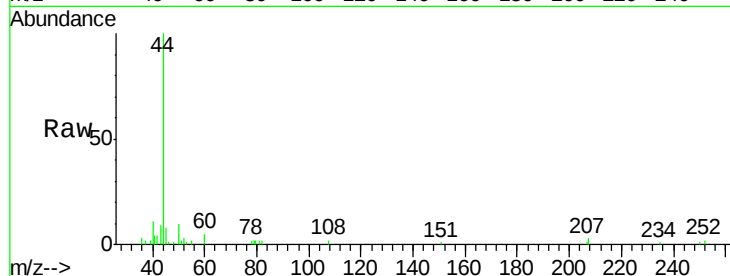
PAR-7

Tot Ion: 50 Resp: 1626

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.19 min Scan# 187

Delta R.T. 0.01 min

Lab File: VN049831.D

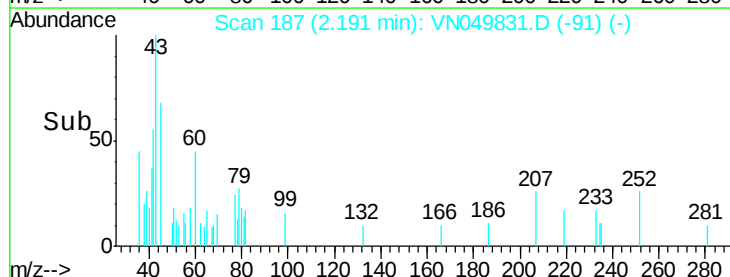
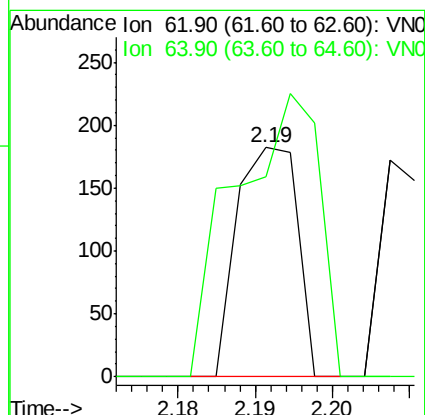
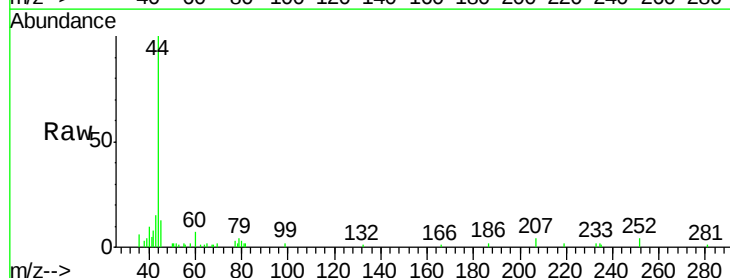
Acq: 14 Jul 2018 6:48

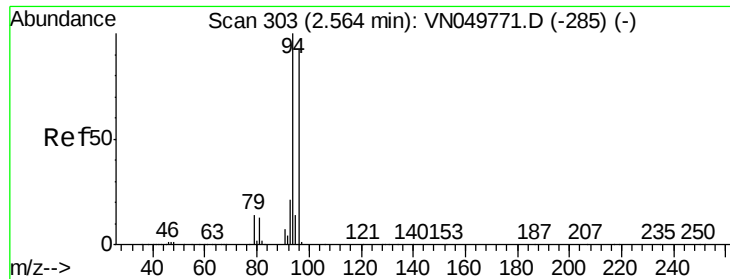
Tgt Ion: 62 Resp: 99

Ion Ratio Lower Upper

62 100

64 87.4 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampleId :

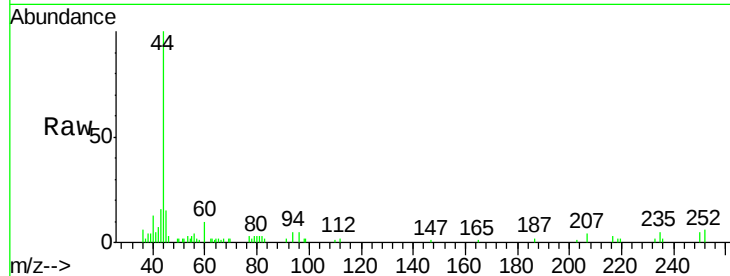
PAR-7

Tot Ion: 94 Resp: 884

Ion Ratio Lower Upper

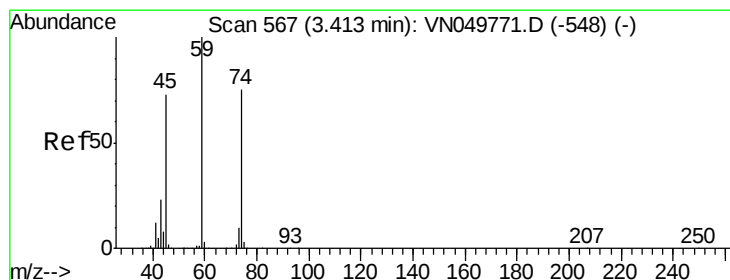
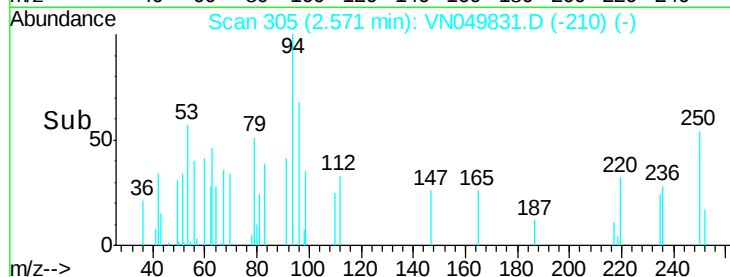
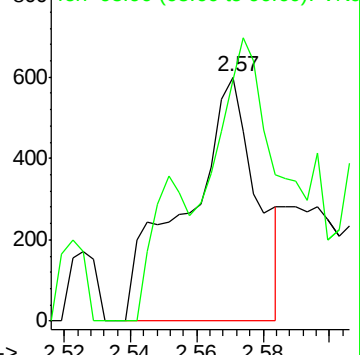
94 100

96 98.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.41 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049831.D

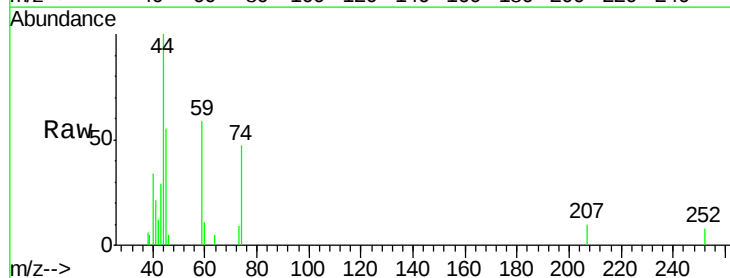
Acq: 14 Jul 2018 6:48

Tgt Ion: 74 Resp: 3396

Ion Ratio Lower Upper

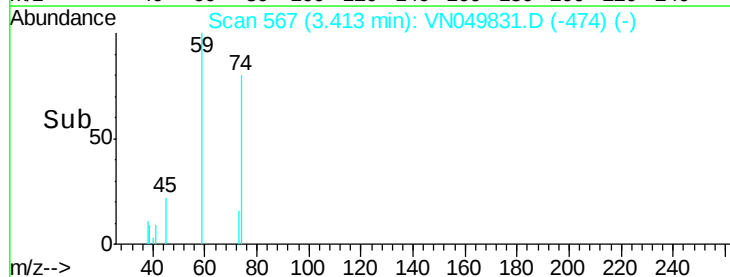
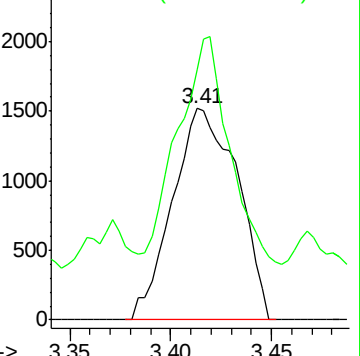
74 100

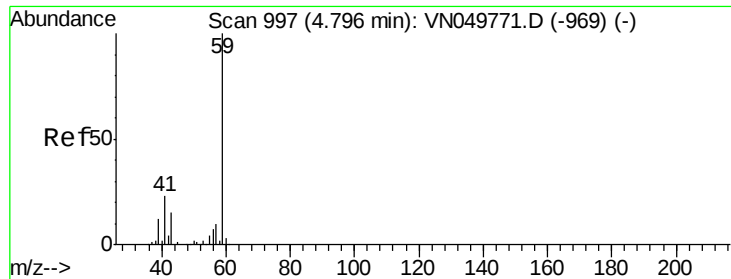
45 88.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



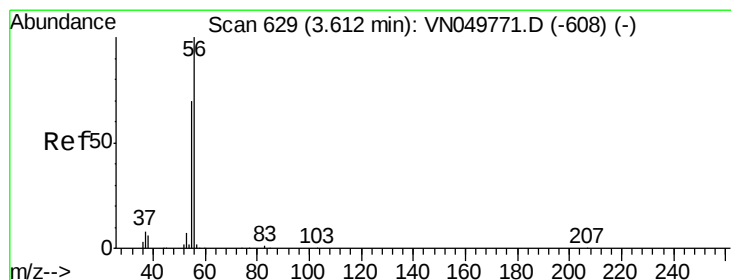
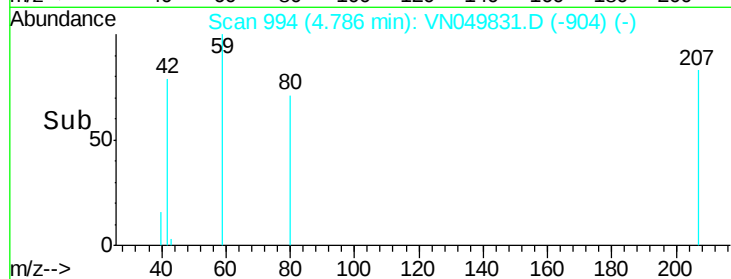
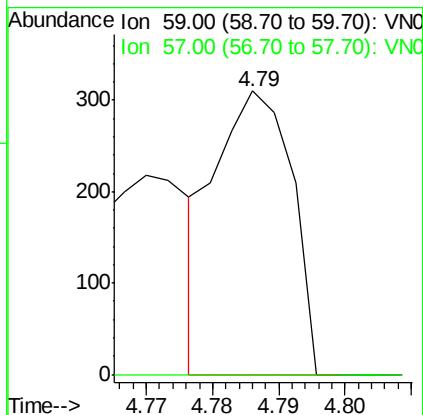
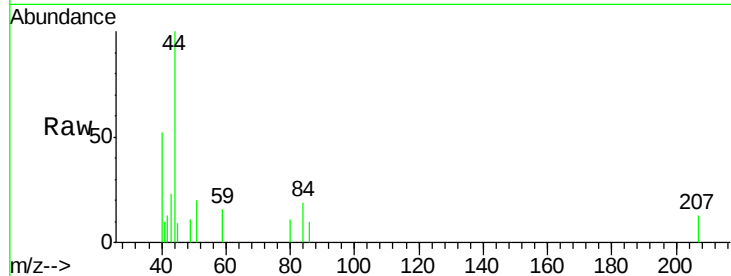


#11

Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.79 min Scan# 994
Delta R.T. -0.01 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Instrument :
MSVOA_N
ClientSampled :
PAR-7

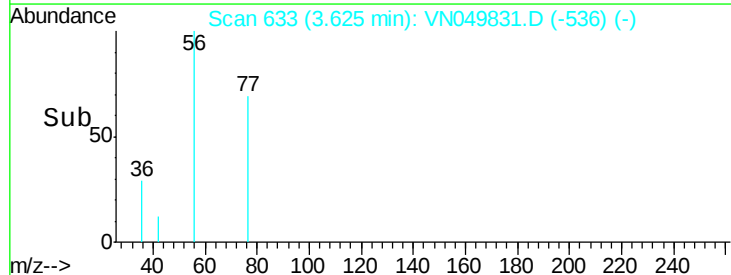
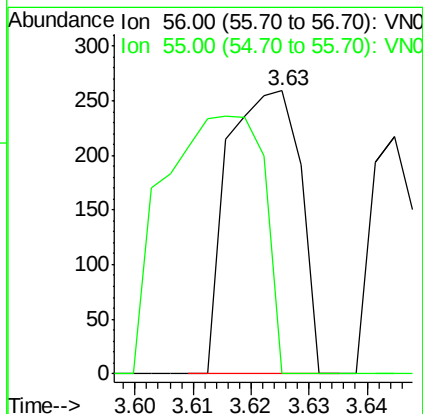
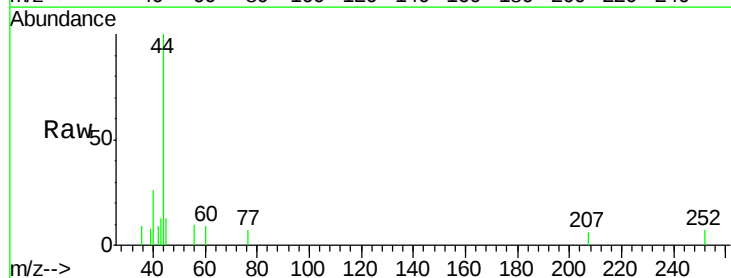
Tot Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

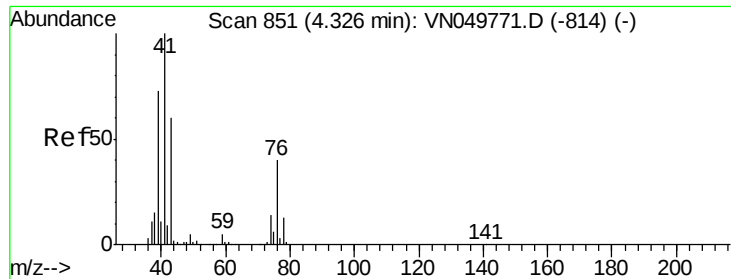


#13

Acrolein
Concen: 0.26 ug/l
RT: 3.63 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
55 126.9 55.8 83.8#

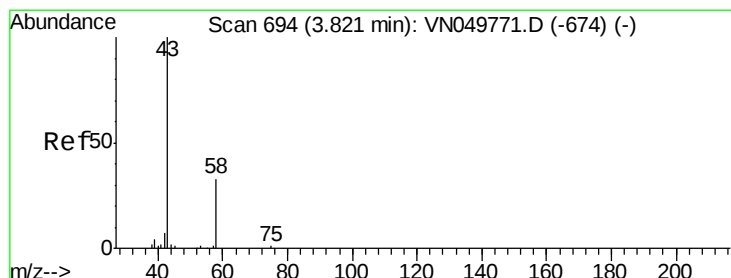
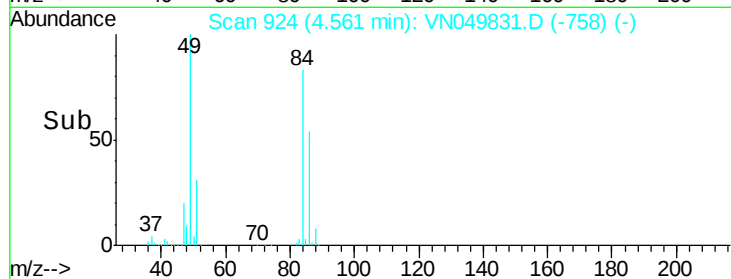
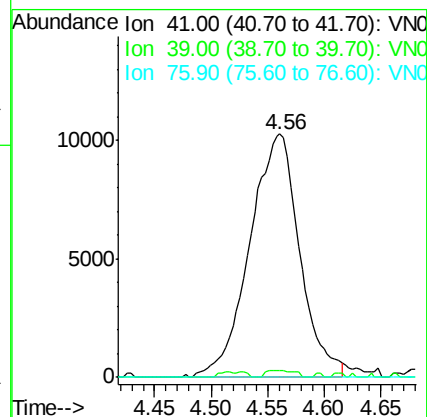
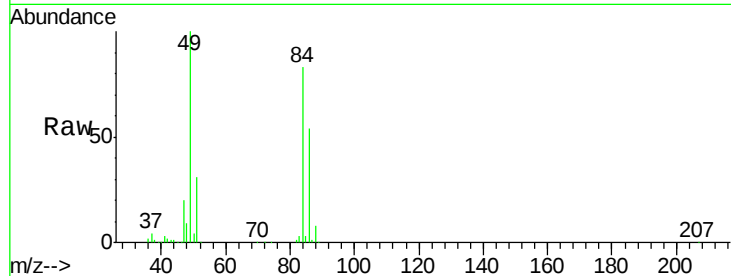




#14
Allvl chloride
Concen: 1.45 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.23 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

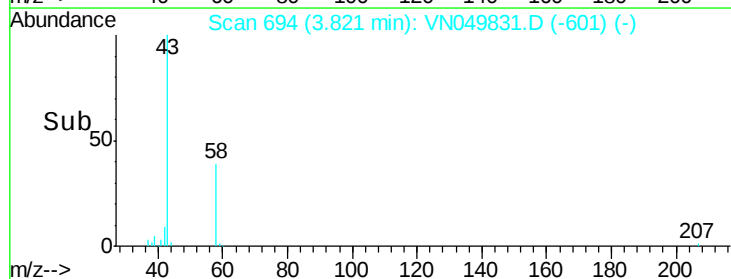
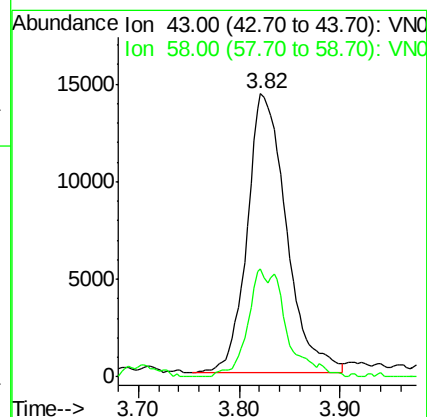
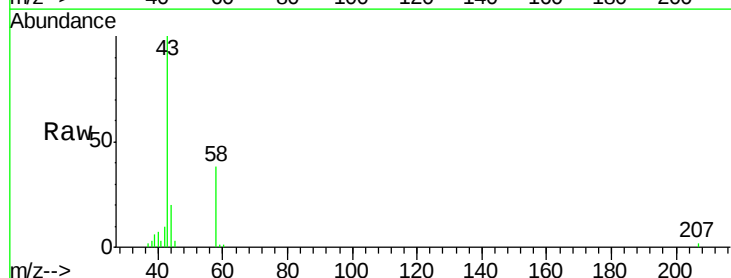
Instrument :
MSVOA_N
ClientSampled :
PAR-7

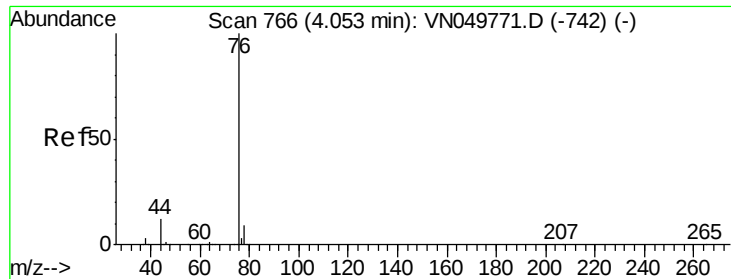
Tot Ion: 41 Resp: 31474
Ion Ratio Lower Upper
41 100
39 1.6 53.2 79.8#
76 0.0 29.0 43.6#



#16
Acetone
Concen: 8.96 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Tgt Ion: 43 Resp: 38685
Ion Ratio Lower Upper
43 100
58 38.5 25.9 38.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampleId :

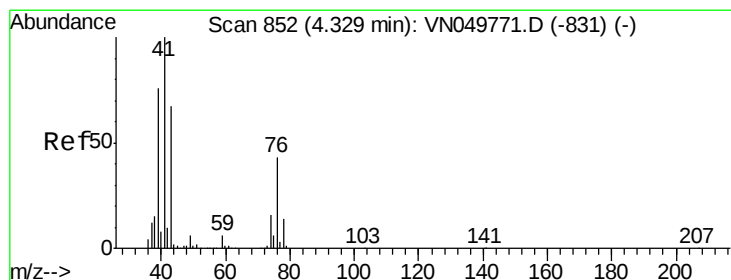
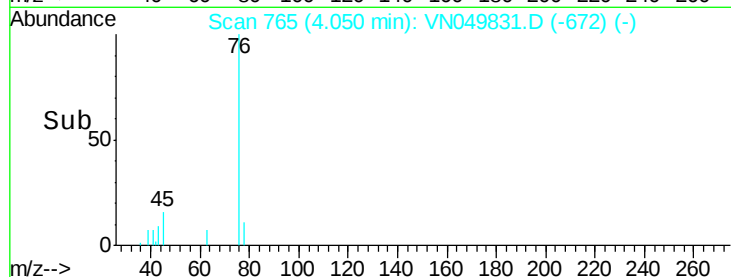
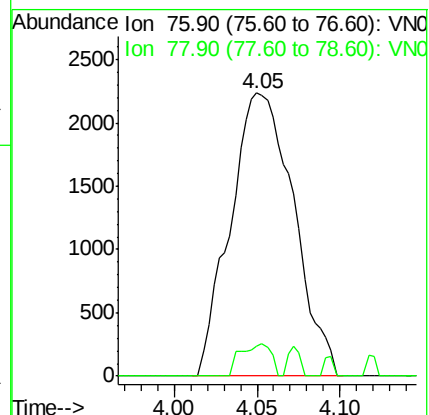
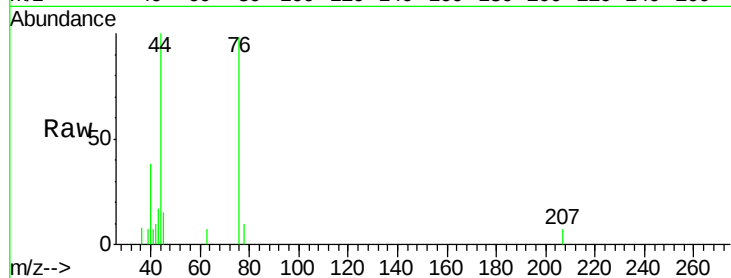
PAR-7

Tot Ion: 76 Resp: 5941

Ion Ratio Lower Upper

76 100

78 10.5 7.1 10.7



#18

Methyl Acetate

Concen: 4.87 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049831.D

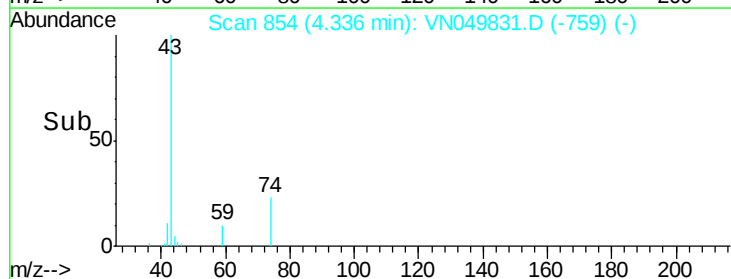
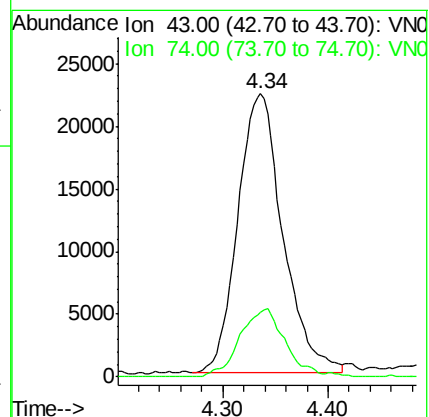
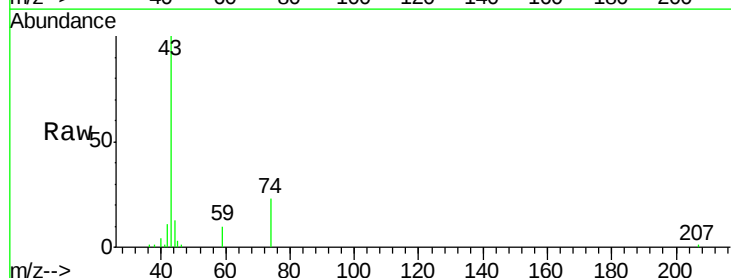
Acq: 14 Jul 2018 6:48

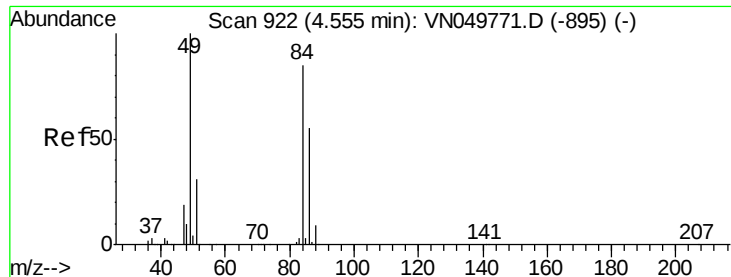
Tgt Ion: 43 Resp: 66278

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8





#20

Methvlene Chloride

Concen: 59.90 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampled :

PAR-7

Tot Ion: 84 Resp: 878495

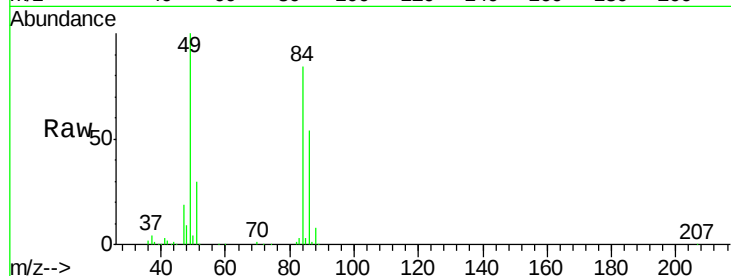
Ion Ratio Lower Upper

84 100

49 119.4 95.4 143.2

51 35.9 28.4 42.6

86 65.0 52.6 79.0

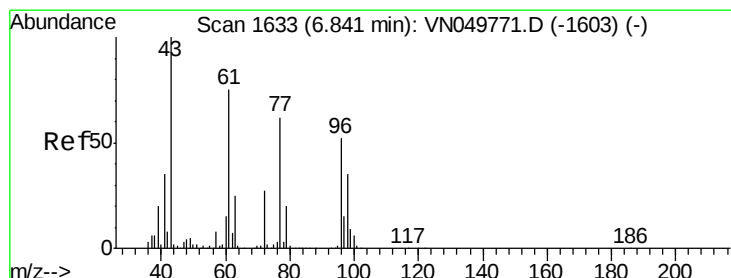
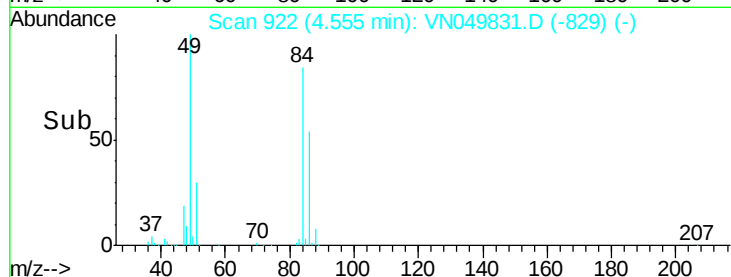
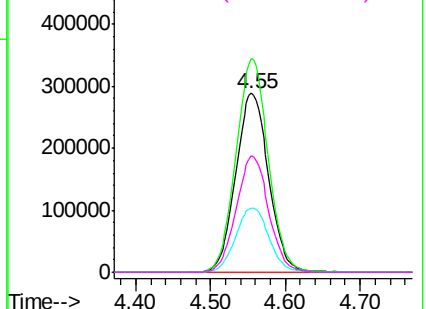


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.49 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049831.D

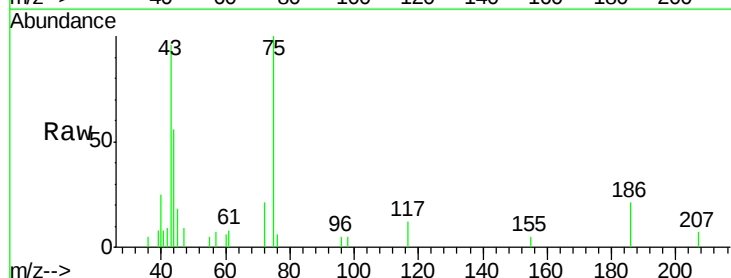
Acq: 14 Jul 2018 6:48

Tgt Ion: 43 Resp: 8342

Ion Ratio Lower Upper

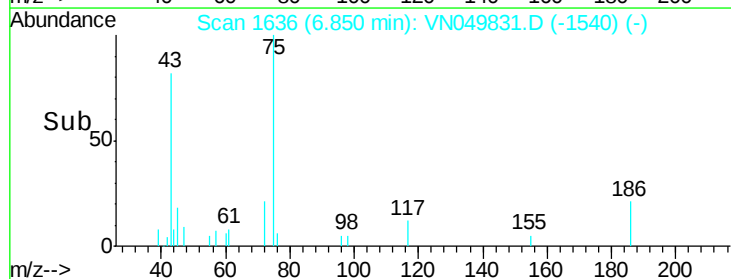
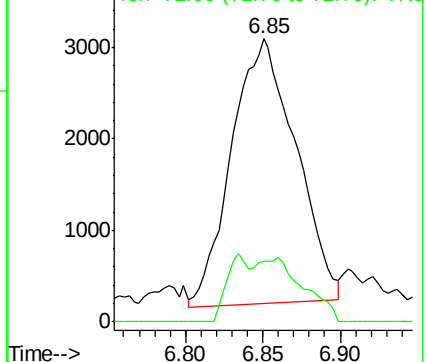
43 100

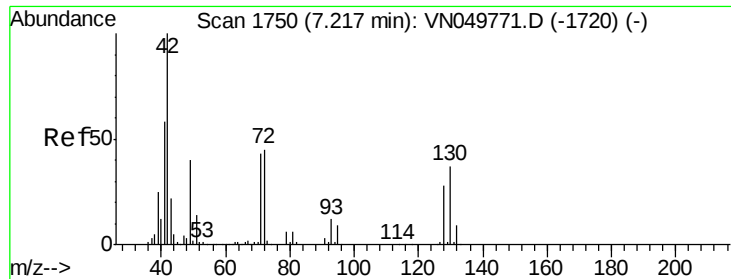
72 23.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

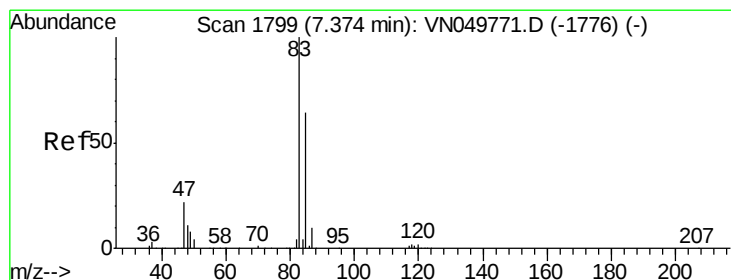
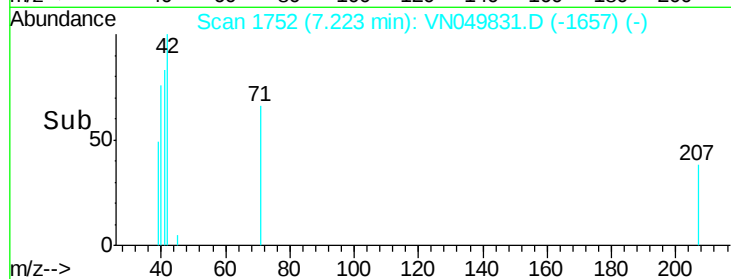
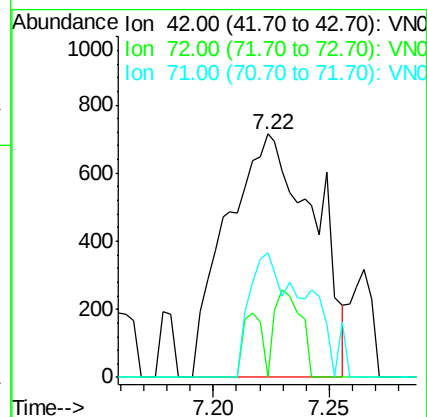
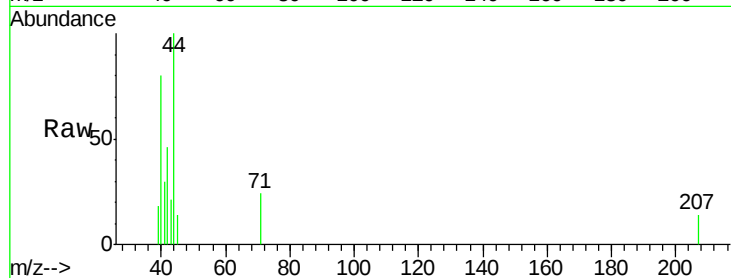




#29
Tetrahydrofuran
Concen: 0.53 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

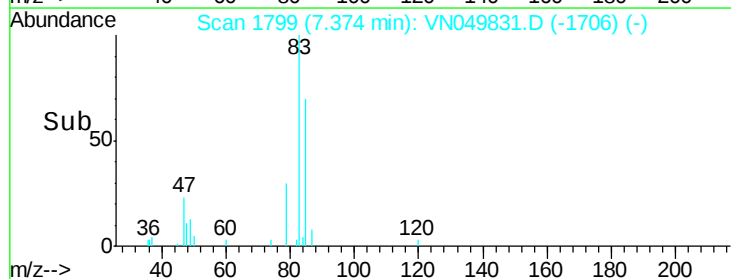
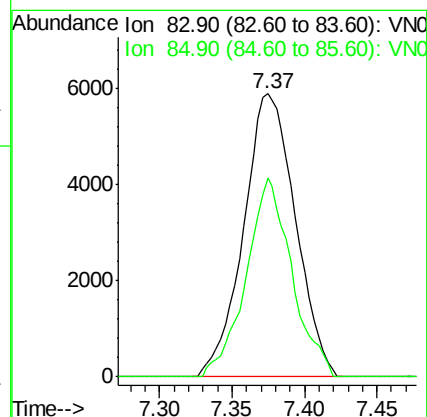
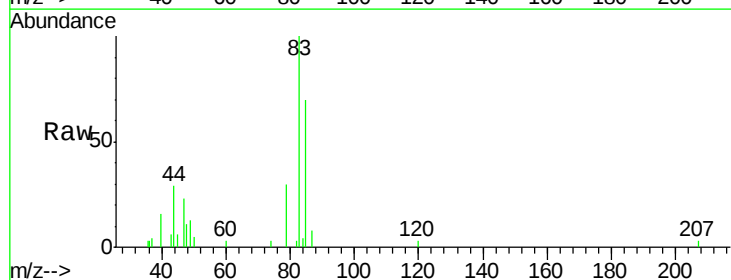
Instrument :
MSVOA_N
ClientSampled :
PAR-7

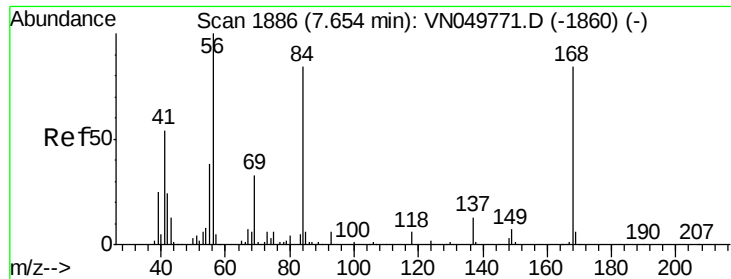
Tot Ion: 42 Resp: 1872
Ion Ratio Lower Upper
42 100
72 10.8 35.6 53.4#
71 34.0 34.0 51.0#



#30
Chloroform
Concen: 0.50 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Tgt Ion: 83 Resp: 14600
Ion Ratio Lower Upper
83 100
85 70.3 51.4 77.2

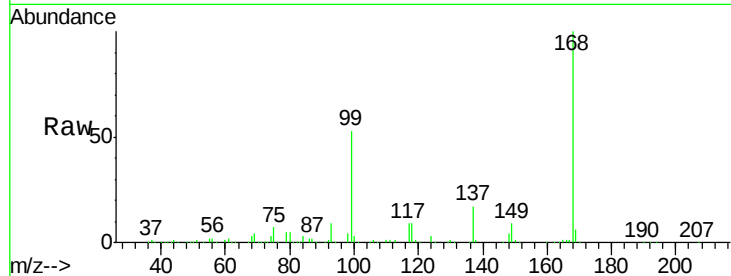




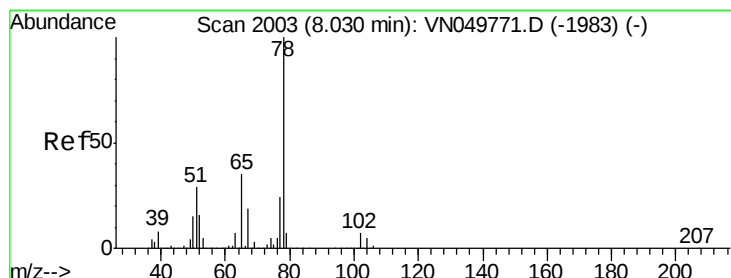
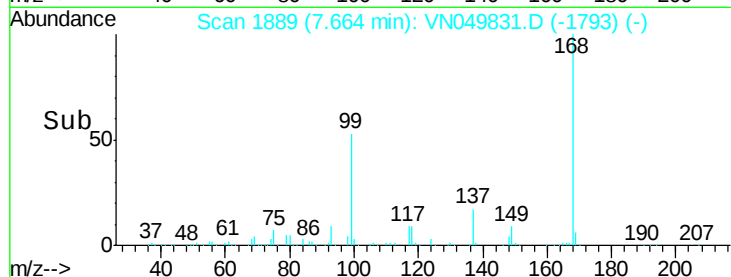
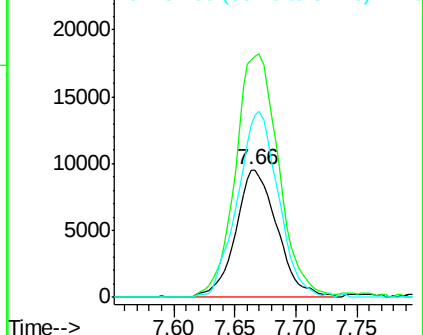
#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Instrument :
MSVOA_N
ClientSampled :
PAR-7

Tot Ion: 56 Resp: 22509
Ion Ratio Lower Upper
56 100
69 186.1 26.6 40.0#
84 134.7 69.0 103.6#

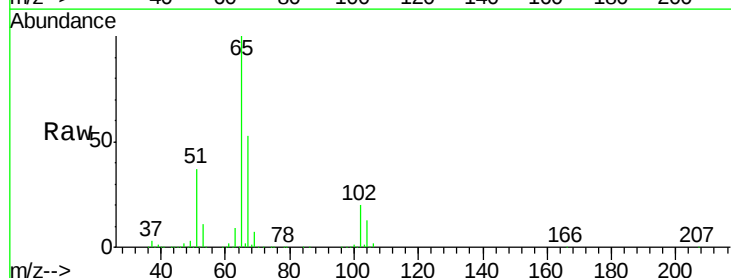


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

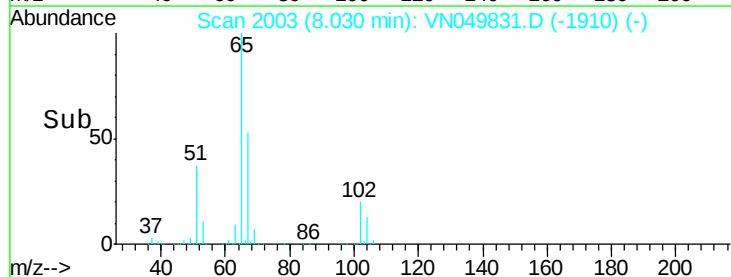
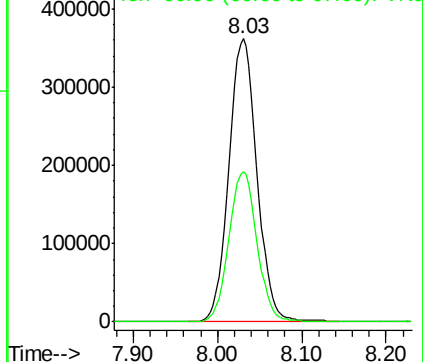


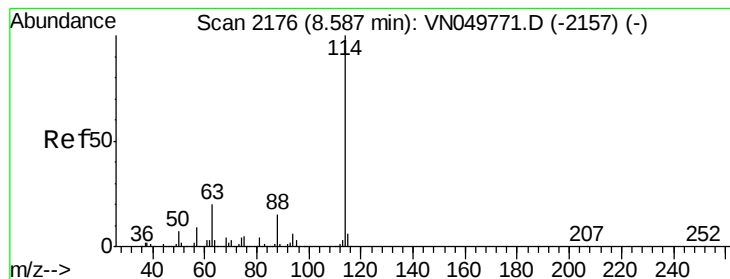
#33
1,2-Dichloroethane-d4
Concen: 58.58 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Tgt Ion: 65 Resp: 839947
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-7

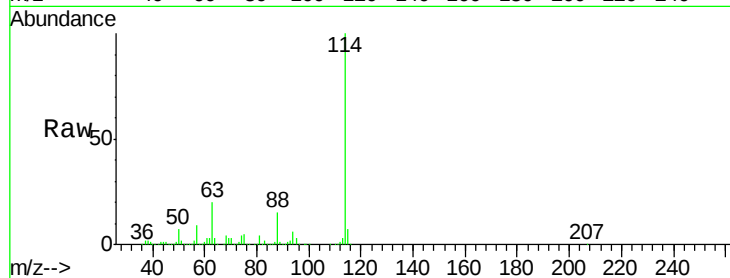
Tot Ion:114 Resp: 2027829

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

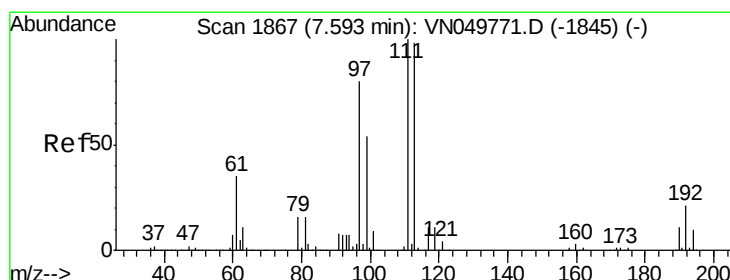
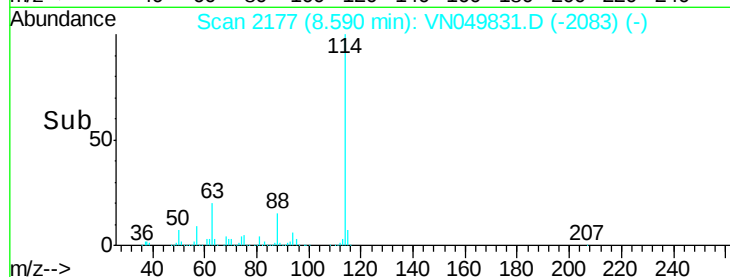
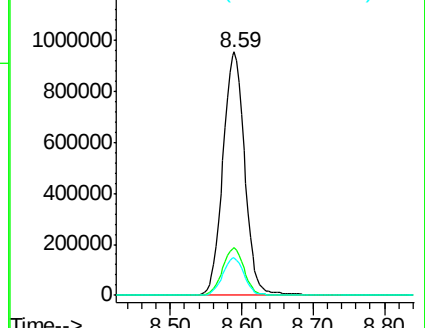
88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.55 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

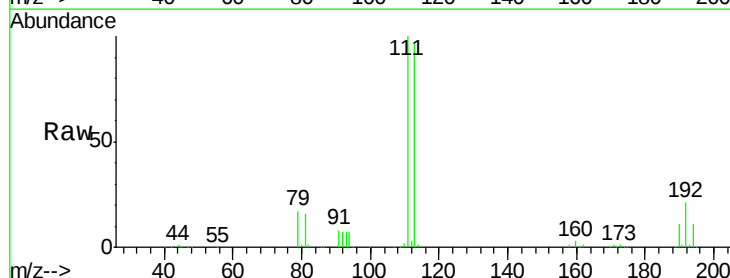
Tgt Ion:113 Resp: 772743

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

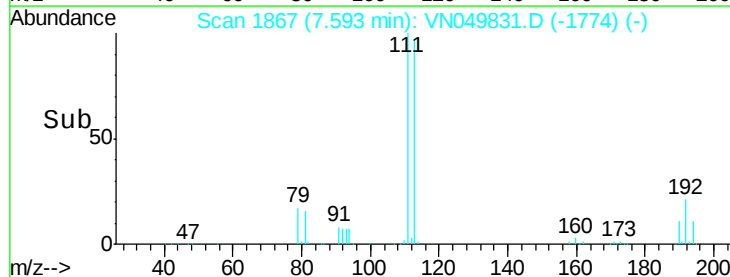
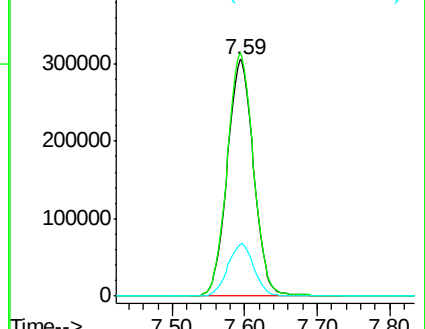
192 21.9 17.8 26.6

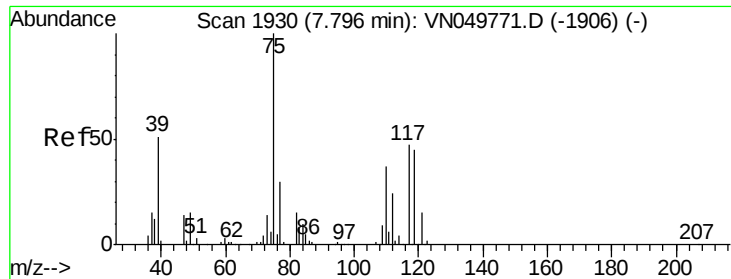


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

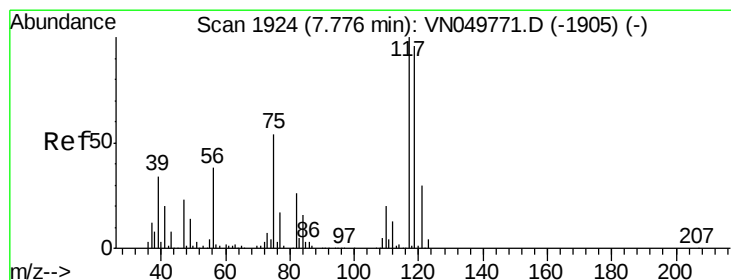
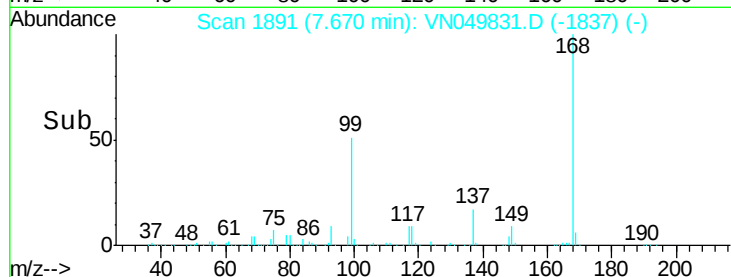
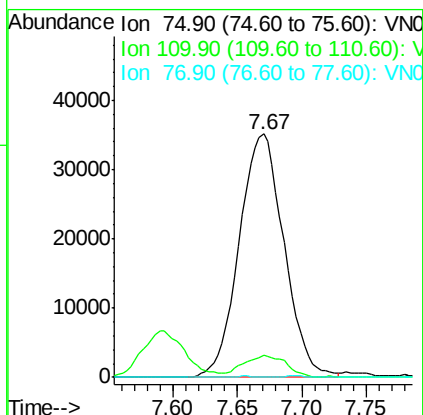
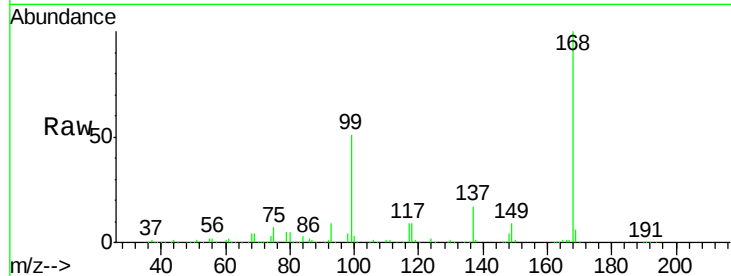




#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN049831.D
 Acq: 14 Jul 2018 6:48

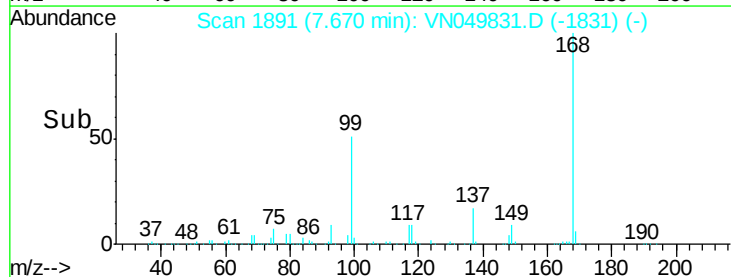
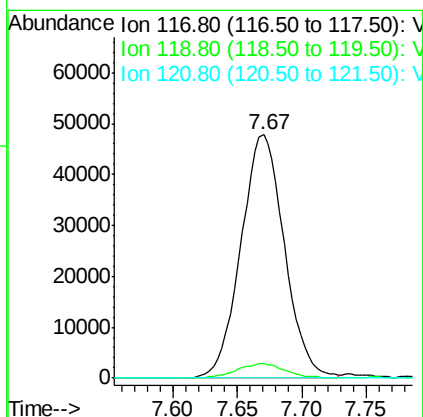
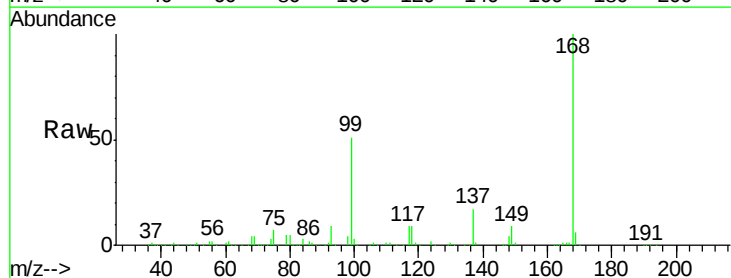
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-7

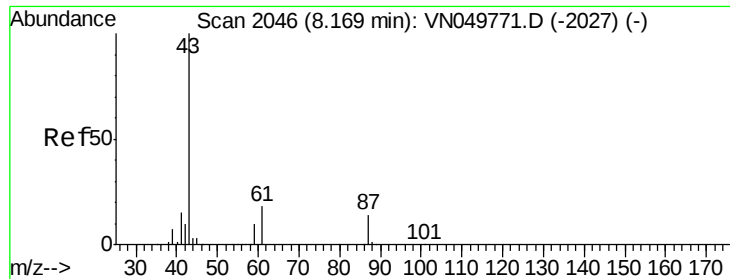
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.4#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN049831.D
 Acq: 14 Jul 2018 6:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.2	115.8#
121	0.0	25.0	37.6#



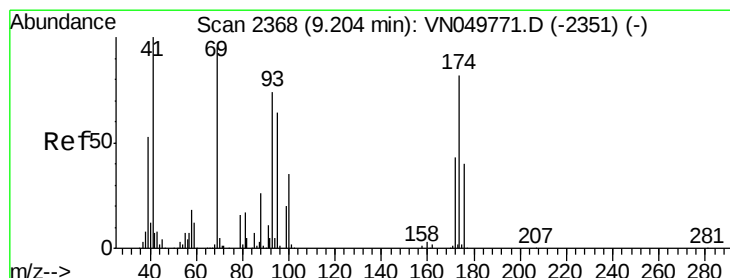
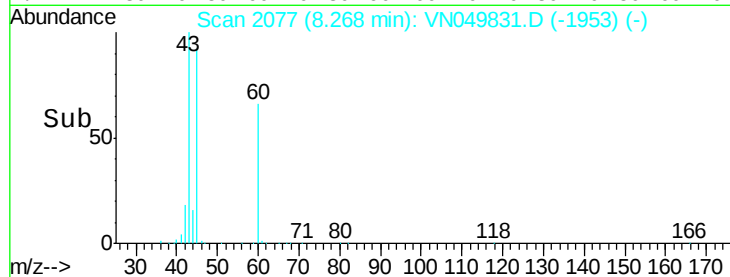
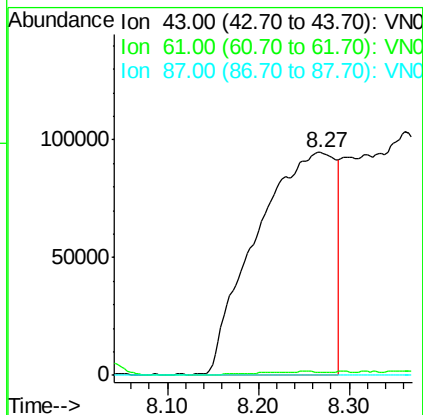
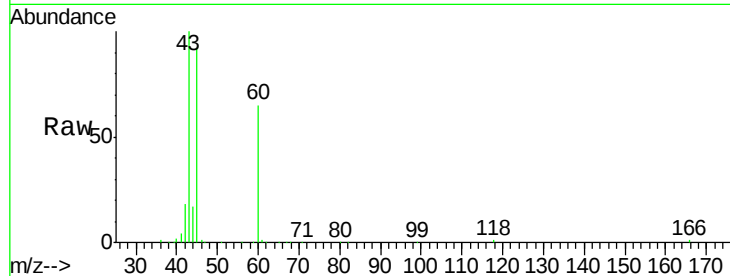


#43

Isopropyl Acetate
 Concen: 22.81 ug/l
 RT: 8.27 min Scan# 2077
 Delta R.T. 0.10 min
 Lab File: VN049831.D
 Acq: 14 Jul 2018 6:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-7

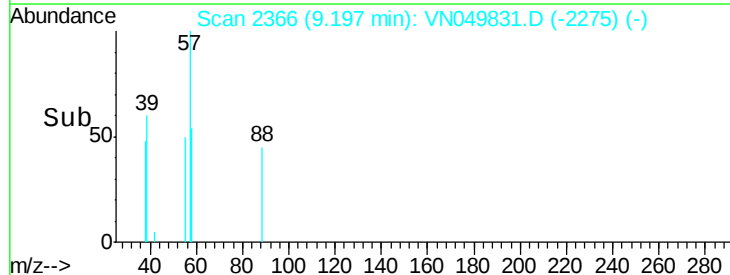
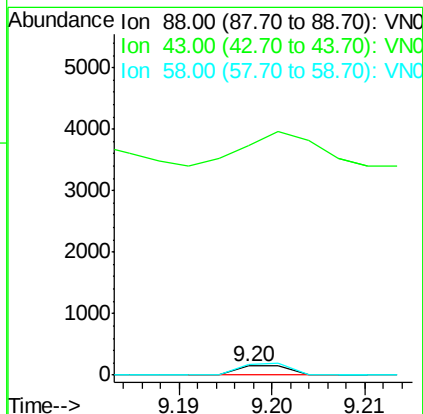
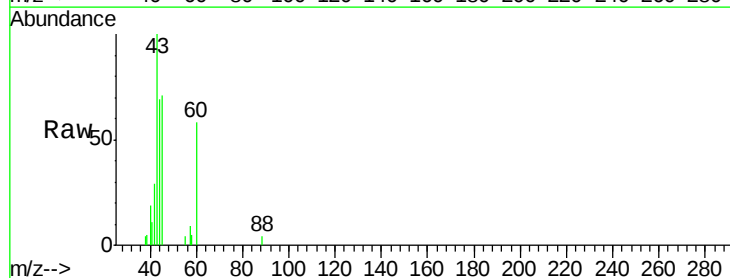
Tot Ion: 43 Resp: 567191
 Ion Ratio Lower Upper
 43 100
 61 0.1 14.9 22.3#
 87 0.0 10.0 15.0#

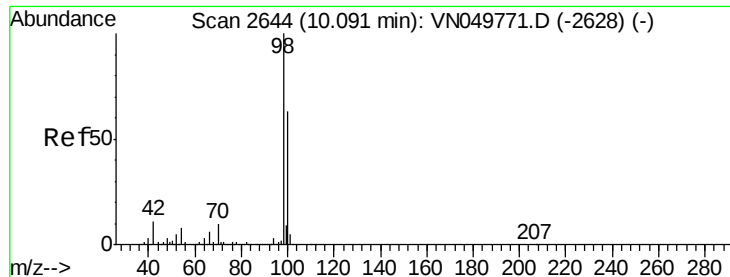


#49

1,4-Dioxane
 Concen: 0.36 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: VN049831.D
 Acq: 14 Jul 2018 6:48

Tgt Ion: 88 Resp: 58
 Ion Ratio Lower Upper
 88 100
 43 2382.8 25.1 37.7#
 58 120.7 52.5 78.7#





#50

Toluene-d8

Concen: 51.78 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampleId :

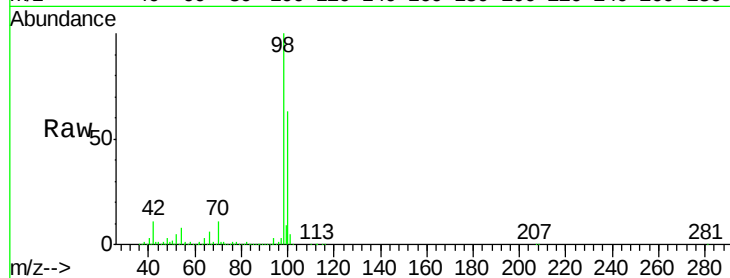
PAR-7

Tot Ion: 98 Resp: 2709281

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049831.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049831.D (-2551) (-)

10.09

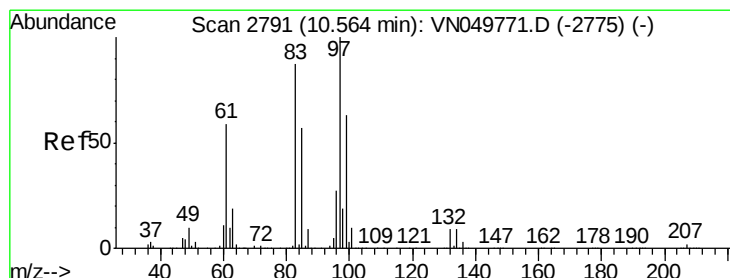
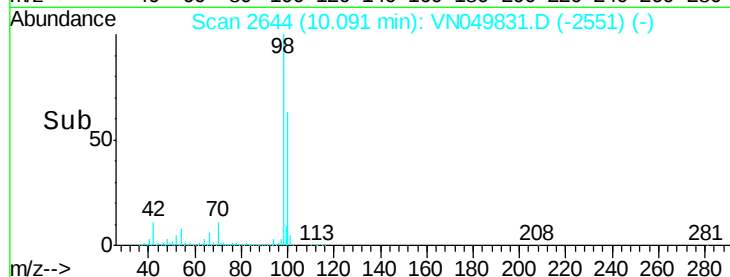
1500000

1000000

500000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: Below Cal

RT: 10.56 min Scan# 2789

Delta R.T. -0.01 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Tgt Ion: 97 Resp: 374

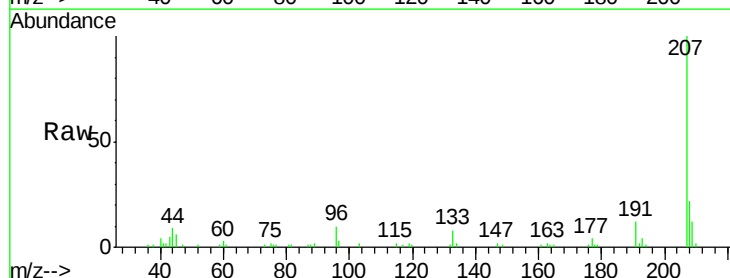
Ion Ratio Lower Upper

97 100

83 0.0 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#



Abundance Ion 96.90 (96.60 to 97.60): VN049831.D (-2697) (-)

Ion 82.90 (82.60 to 83.60): VN049831.D (-2697) (-)

Ion 84.90 (84.60 to 85.60): VN049831.D (-2697) (-)

Ion 98.90 (98.60 to 99.60): VN049831.D (-2697) (-)

10.56

1000

800

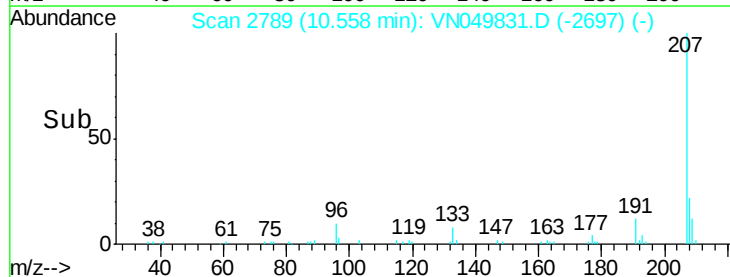
600

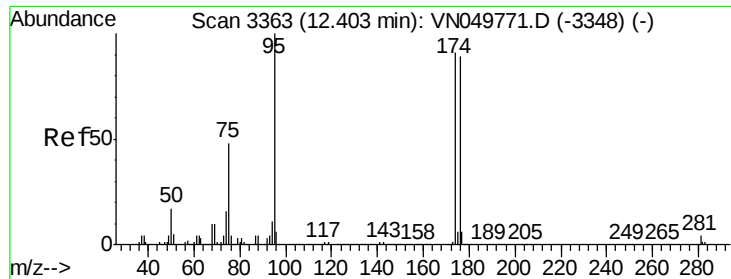
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 39.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-7

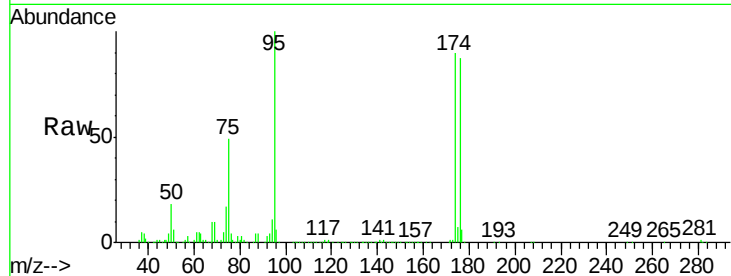
Tot Ion: 95 Resp: 746739

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

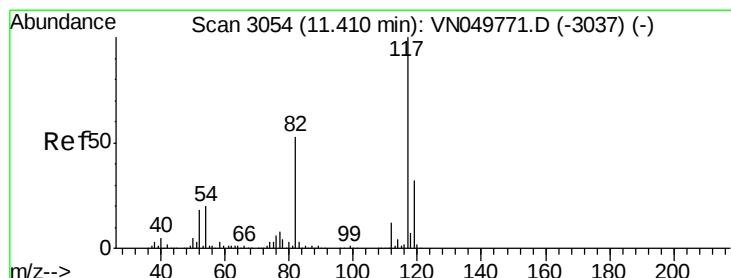
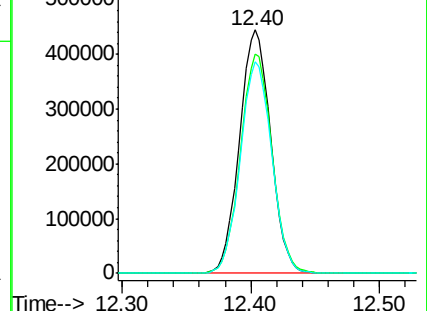
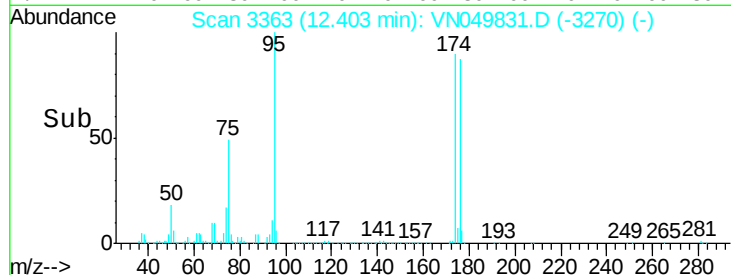
176 87.6 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049831.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049831.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049831.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

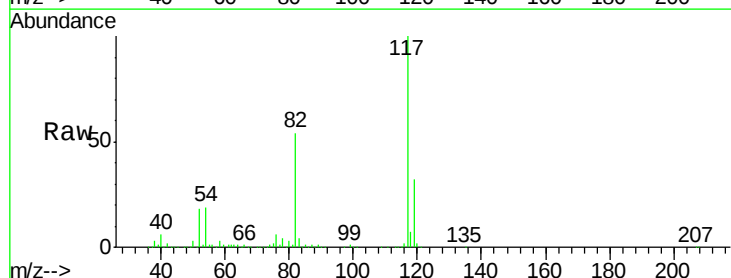
Tgt Ion: 117 Resp: 1670142

Ion Ratio Lower Upper

117 100

82 53.9 41.9 62.9

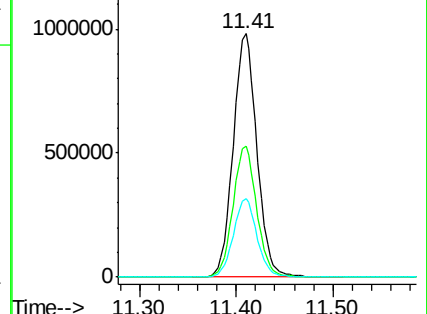
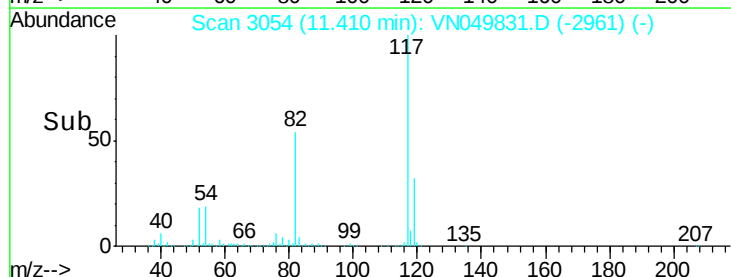
119 32.3 25.4 38.2

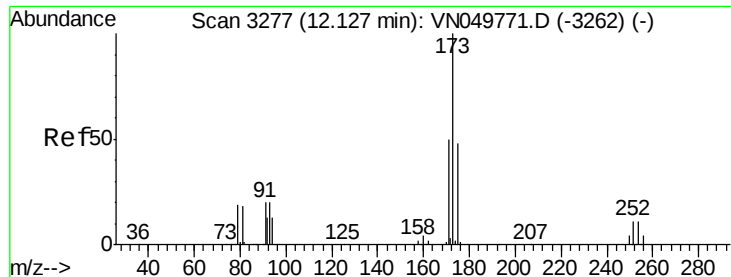


Abundance Ion 116.90 (116.60 to 117.60): VN049831.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049831.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049831.D (-2961) (-)

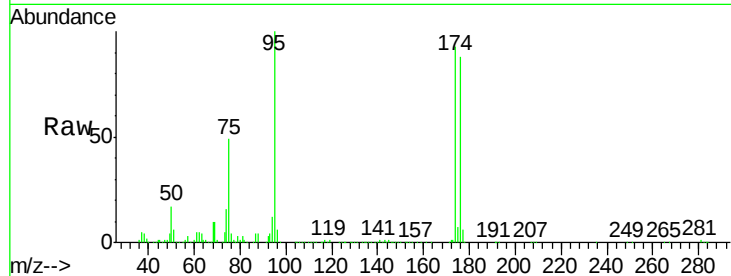




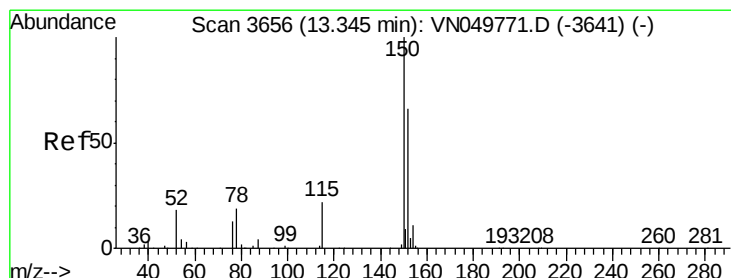
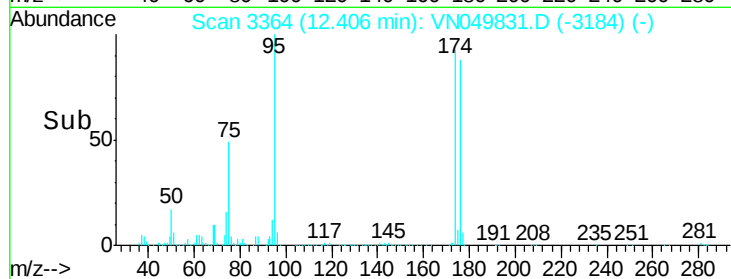
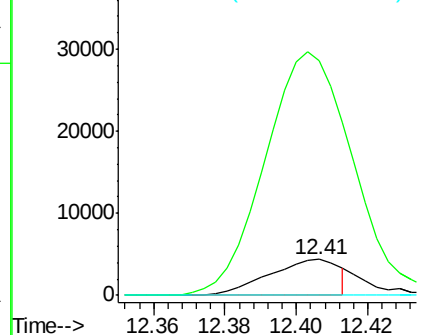
#71
Bromoform
Concen: 0.55 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Instrument :
MSVOA_N
ClientSampled :
PAR-7

Tot Ion:173 Resp: 6055
Ion Ratio Lower Upper
173 100
175 688.2 24.6 73.8#
254 0.0 0.2 0.2#

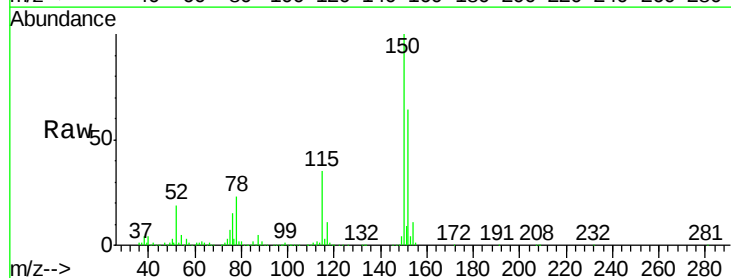


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

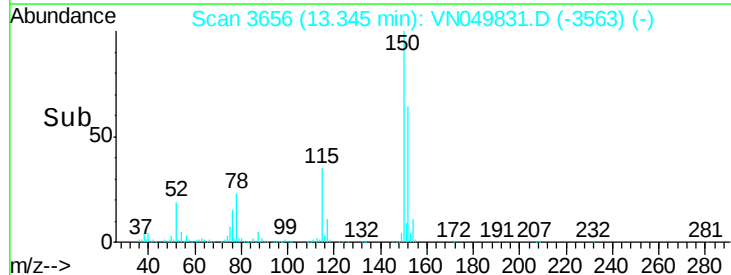
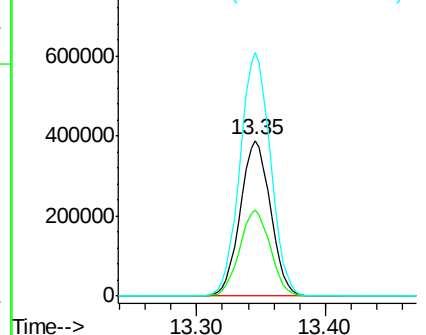


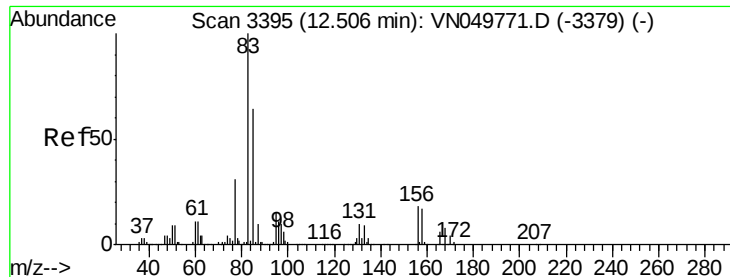
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049831.D
Acq: 14 Jul 2018 6:48

Tgt Ion:152 Resp: 632990
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.2
150 158.0 0.0 347.6



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.55 min Scan# 3409

Delta R.T. 0.05 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampled :

PAR-7

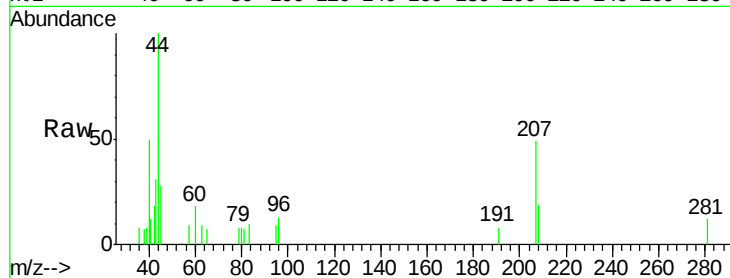
Tot Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VN049831.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049831.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049831.D (-3302) (-)

12.55

200

150

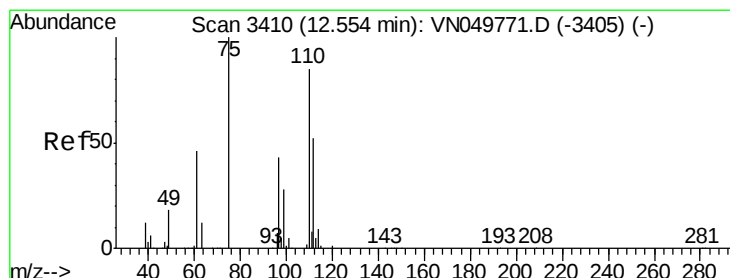
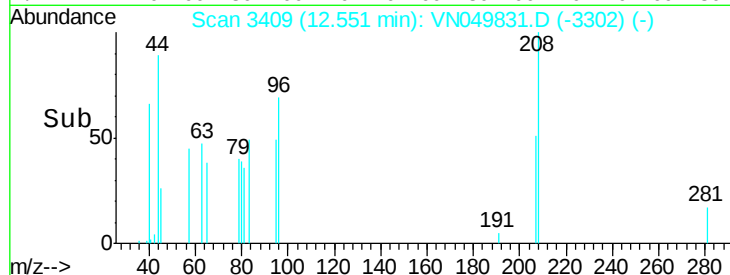
100

50

0

12.54 12.55 12.56

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049831.D

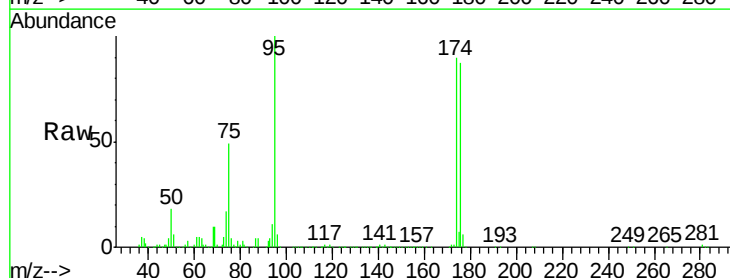
Acq: 14 Jul 2018 6:48

Tgt Ion: 75 Resp: 369308

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049831.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049831.D (-3317) (-)

12.40

250000

200000

150000

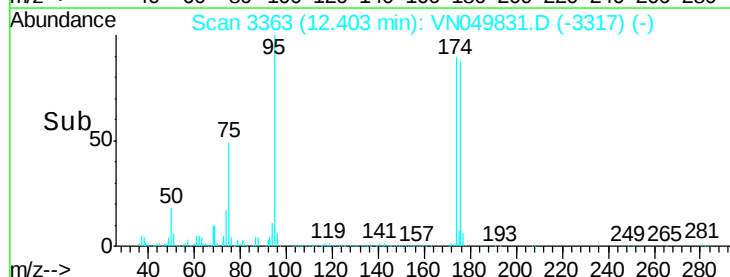
100000

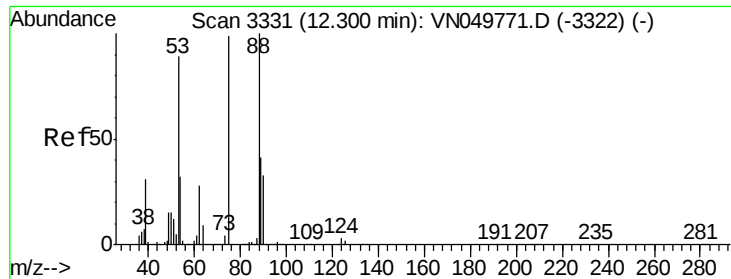
50000

0

12.30 12.40 12.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampleId :

PAR-7

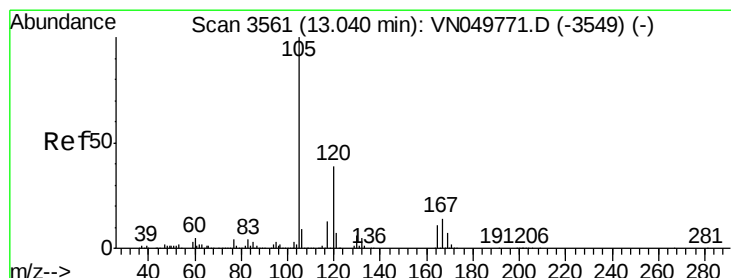
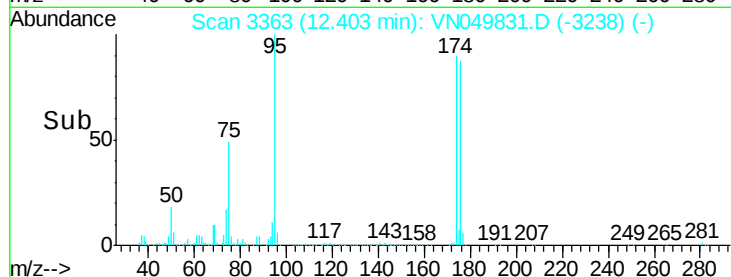
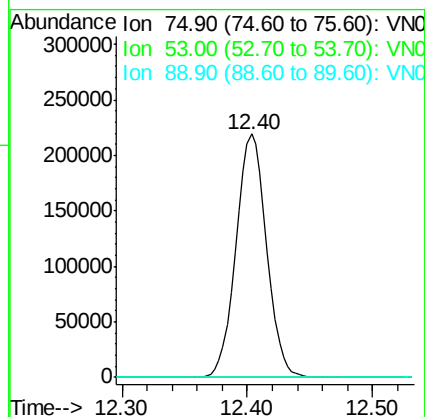
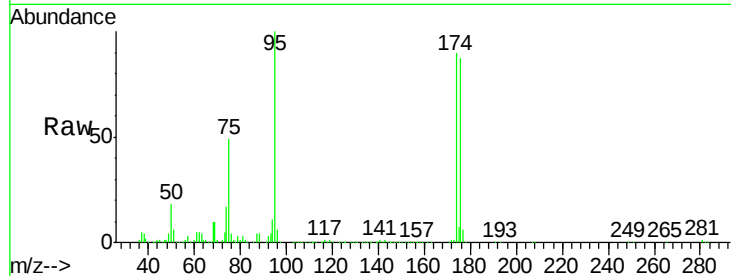
Tot Ion: 75 Resp: 369308

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

89 0.0 35.9 53.9#



#84

1,2,4-Trimethylbenzene

Concen: 0.31 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049831.D

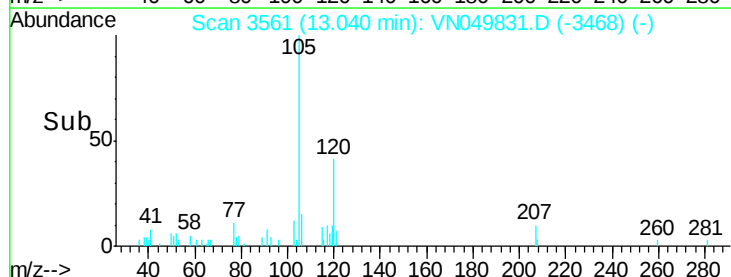
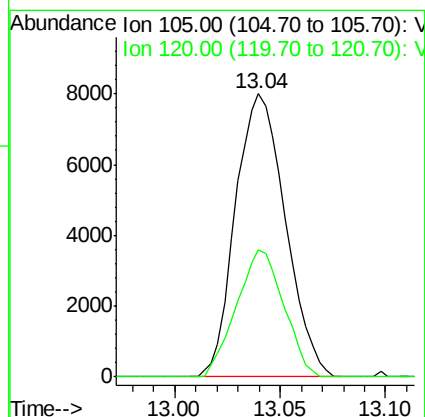
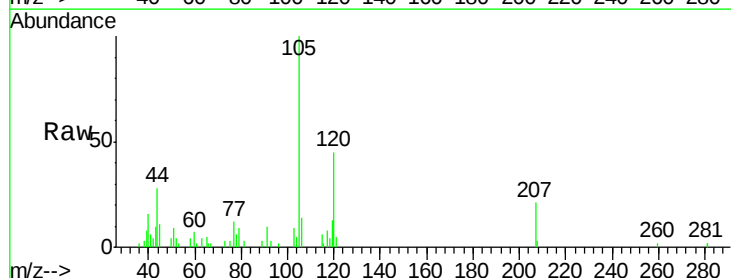
Acq: 14 Jul 2018 6:48

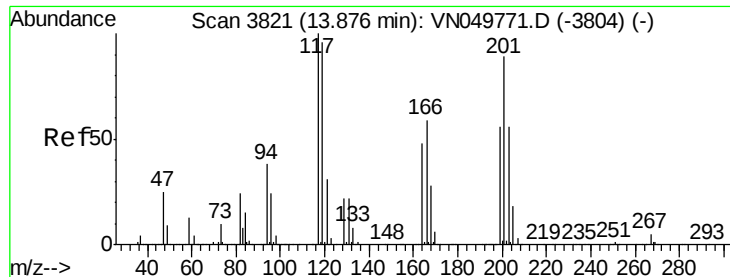
Tgt Ion: 105 Resp: 13143

Ion Ratio Lower Upper

105 100

120 42.5 22.7 68.1





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3823

Delta R.T. 0.01 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

Instrument :

MSVOA_N

ClientSampled :

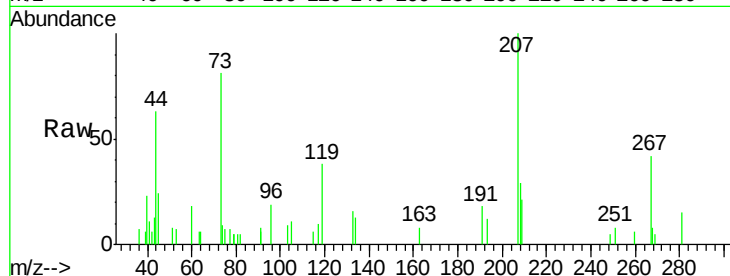
PAR-7

Tot Ion:117 Resp: 421

Ion Ratio Lower Upper

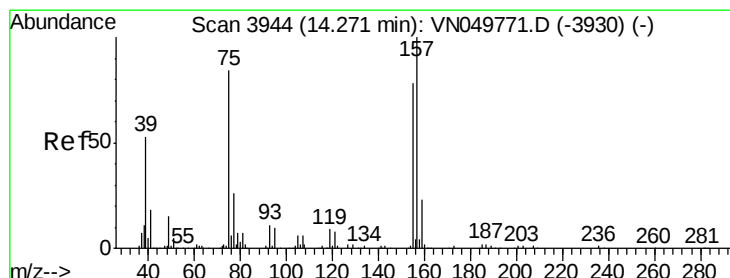
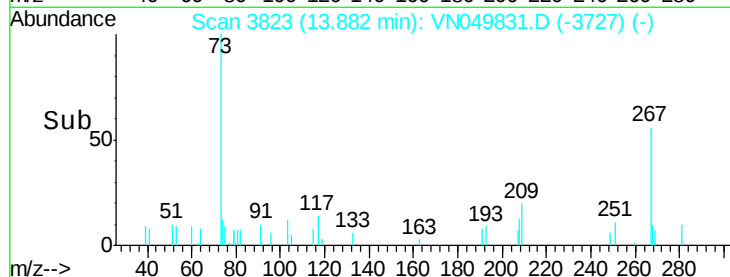
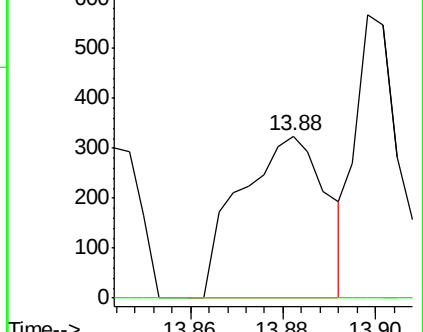
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.24 min Scan# 3933

Delta R.T. -0.04 min

Lab File: VN049831.D

Acq: 14 Jul 2018 6:48

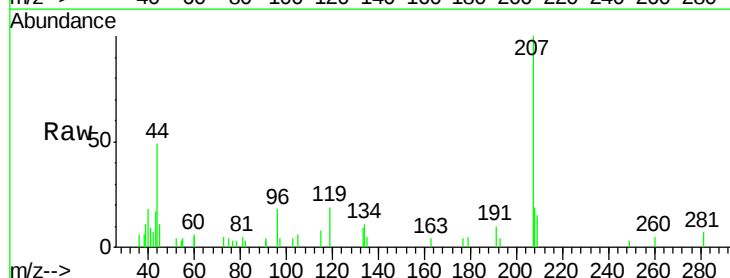
Tgt Ion: 75 Resp: 130

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

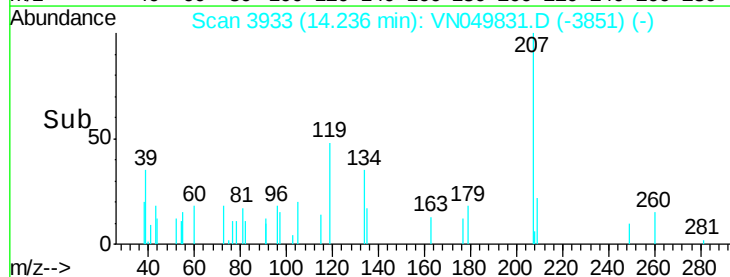
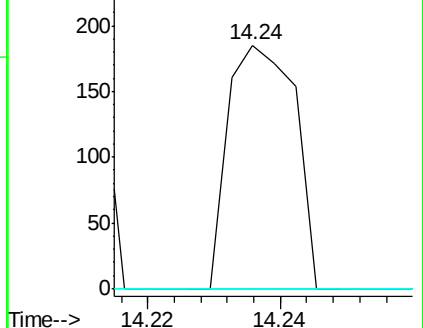
157 0.0 56.9 170.7#

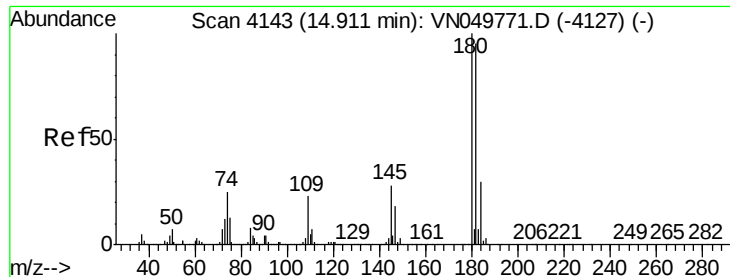


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

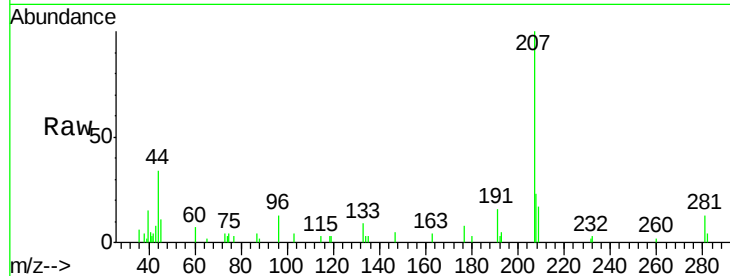




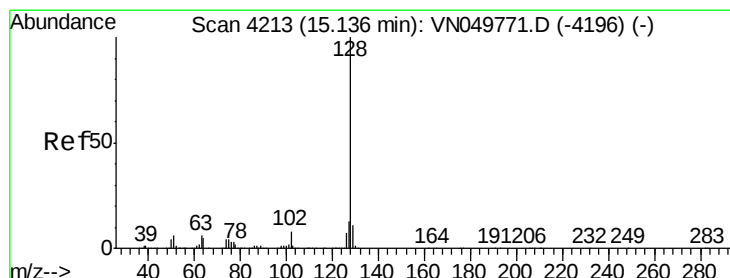
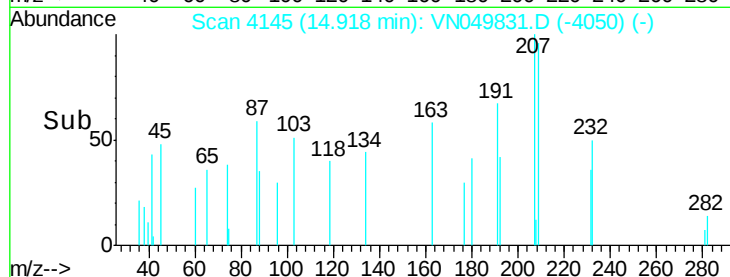
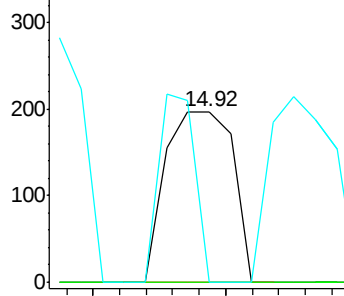
#93
 1,2,4-Trichlorobenzene
 Concen: 2.90 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN049831.D
 Acq: 14 Jul 2018 6:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-7

Tot Ion:180 Resp: 139
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 59.0 14.4 43.0#

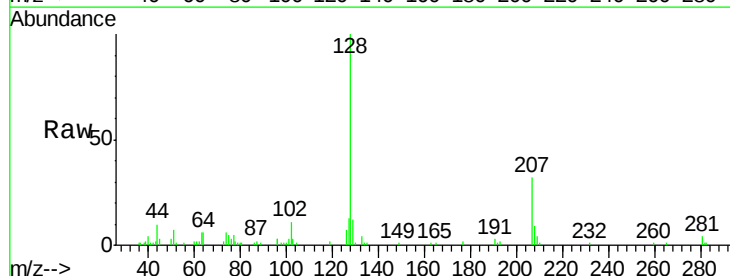


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 5.42 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049831.D
 Acq: 14 Jul 2018 6:48

Tgt Ion:128 Resp: 42392
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.4 15.6
 129 11.4 8.6 13.0



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

