

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049797.D
 Acq On : 13 Jul 2018 15:18
 Operator : MD\SY
 Sample : PB111069TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069TB

Quant Time: Jul 13 23:50:08 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	1238654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1873058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	577819	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	807442	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	7.59	113	748543	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
50) Toluene-d8	10.09	98	2609747	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
62) 4-Bromofluorobenzene	12.40	95	712943	41.30	ug/l	0.00
Spiked Amount			Recovery	=	82.60%	

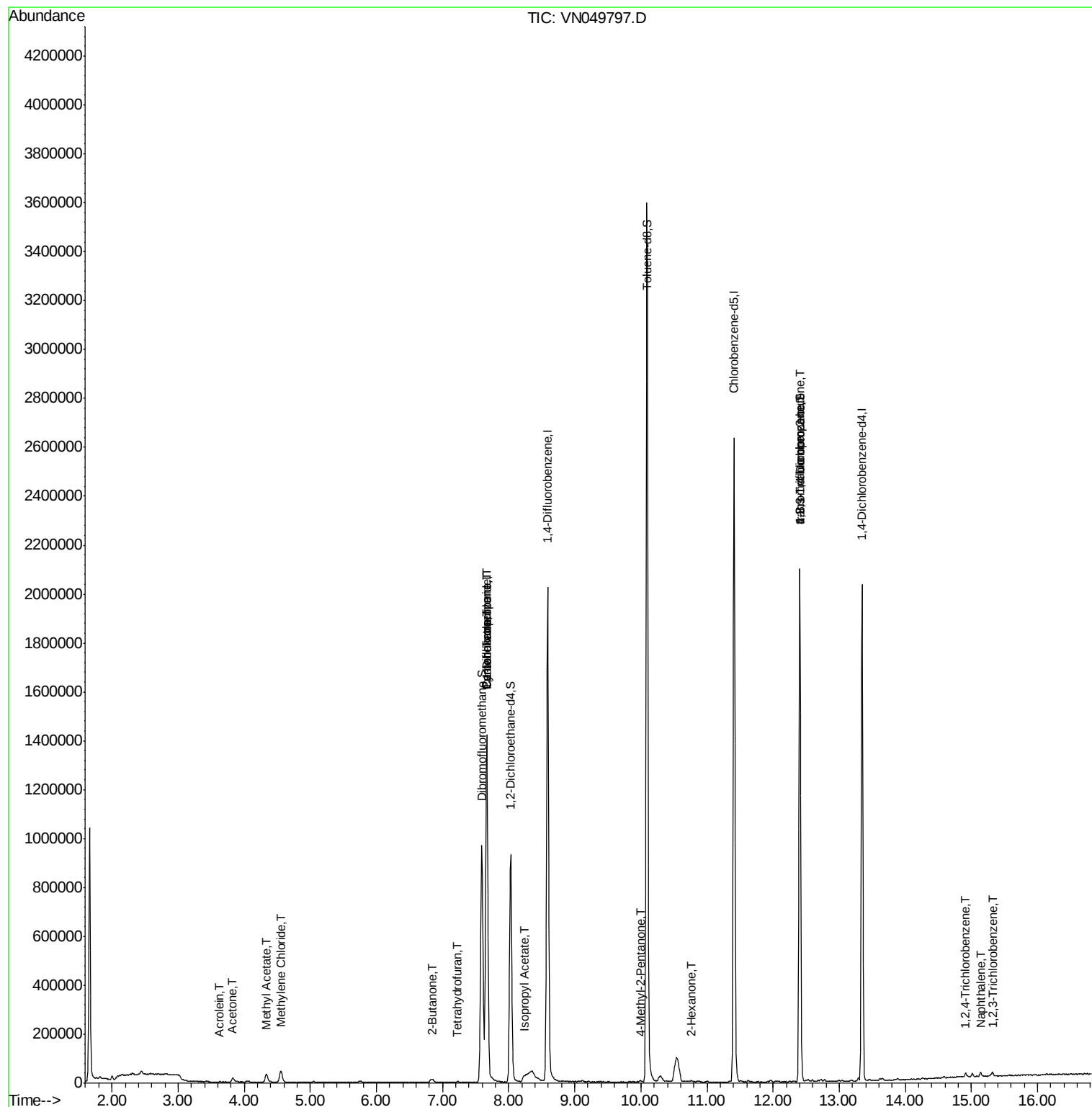
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	99	Below Cal	#	44
3) Chloromethane	2.06	50	2469	Below Cal	#	86
4) Vinyl Chloride	2.19	62	825	Below Cal	#	35
5) Bromomethane	2.58	94	3547	Below Cal		92
13) Acrolein	3.61	56	534	0.63	ug/l	# 30
16) Acetone	3.83	43	29791	6.38	ug/l	96
17) Carbon Disulfide	4.06	76	9182	Below Cal		99
18) Methyl Acetate	4.33	43	63909	4.64	ug/l	98
20) Methylene Chloride	4.55	84	34115	1.42	ug/l	94
25) 2-Butanone	6.85	43	5100	0.91	ug/l	94
29) Tetrahydrofuran	7.22	42	1246	0.35	ug/l	# 57
31) Cyclohexane	7.67	56	23711	0.81	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	84152	3.90	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	112190	4.97	ug/l	# 16
43) Isopropyl Acetate	8.23	43	16859	0.73	ug/l	# 62
51) 4-Methyl-2-Pentanone	9.99	43	4380	0.35	ug/l	89
55) 1,1,2-Trichloroethane	10.57	97	485	Below Cal	#	42
59) 2-Hexanone	10.76	43	3606	0.44	ug/l	64
75) 1,1,2,2-Tetrachloroethane	12.50	83	435	Below Cal	#	42
76) 1,2,3-Trichloropropane	12.40	75	344782	33.59	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	344782	108.47	ug/l	# 13
90) Hexachloroethane	13.93	117	71	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	14.91	180	5591	3.34	ug/l	97
94) Hexachlorobutadiene	15.01	225	2356	Below Cal		83
95) Naphthalene	15.14	128	14085	4.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	5951	0.57	ug/l	93

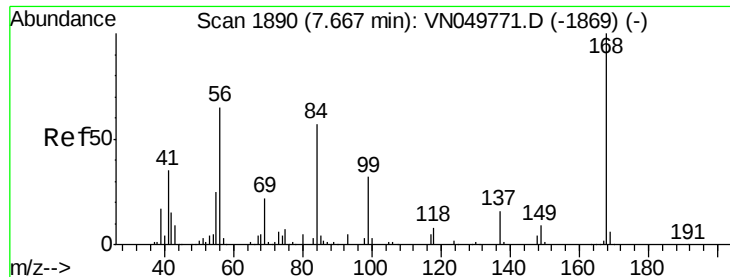
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Instrument :
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Quant Time: Jul 13 23:50:08 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: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

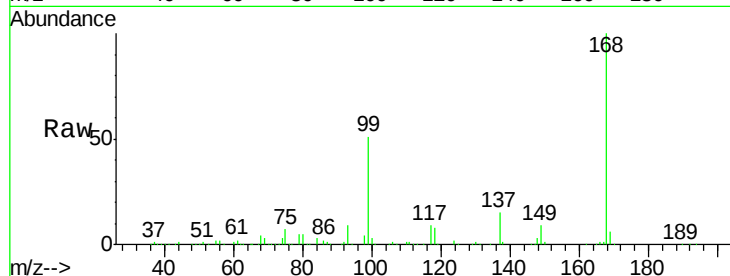
PB111069TB

Tot Ion:168 Resp: 1238654

Ion Ratio Lower Upper

168 100

99 51.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

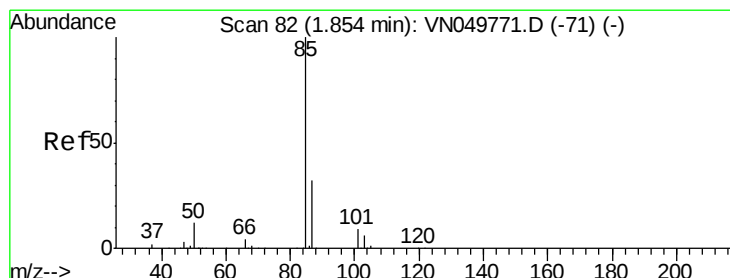
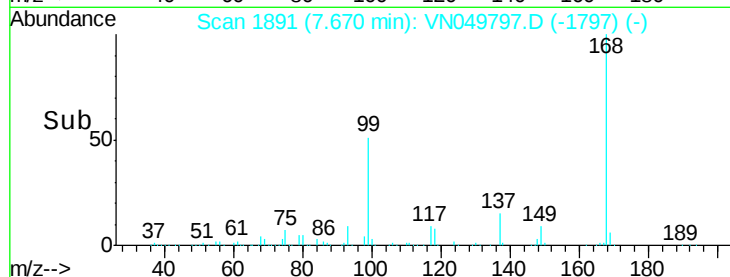
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049797.D

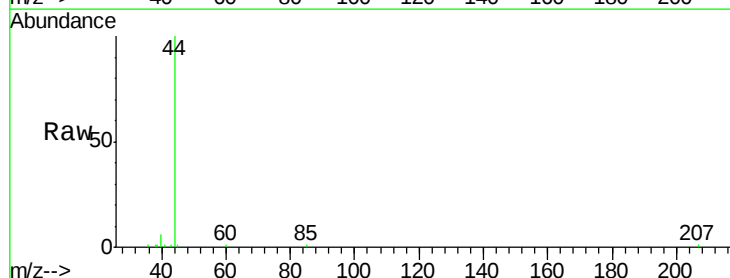
Acq: 13 Jul 2018 15:18

Tgt Ion: 85 Resp: 99

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200

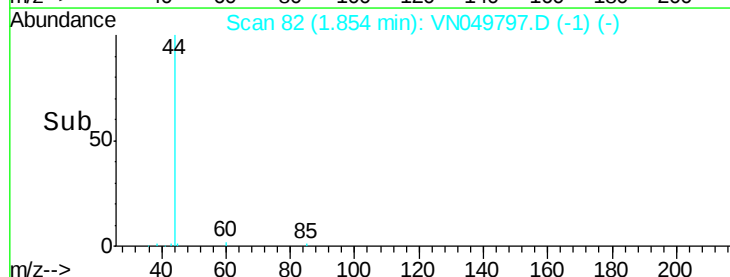
150

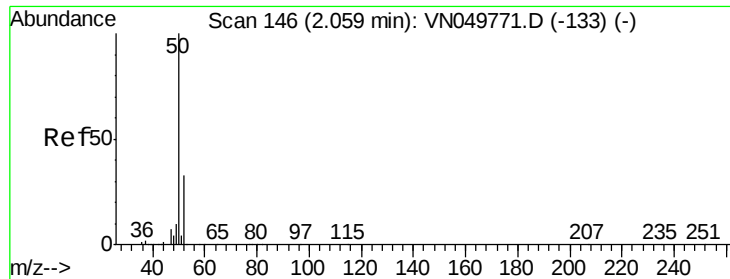
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

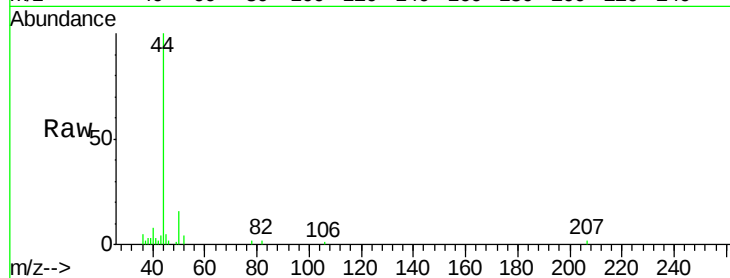
PB111069TB

Tot Ion: 50 Resp: 2469

Ion Ratio Lower Upper

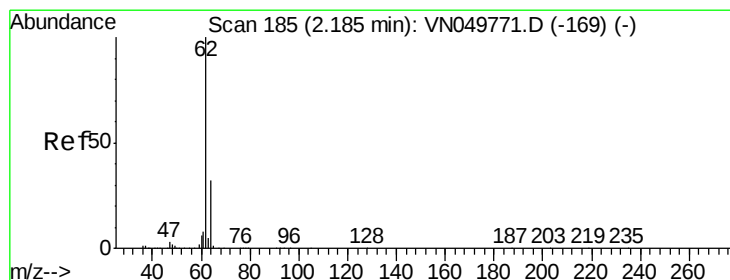
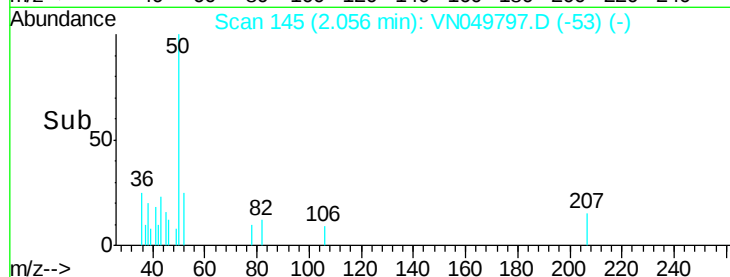
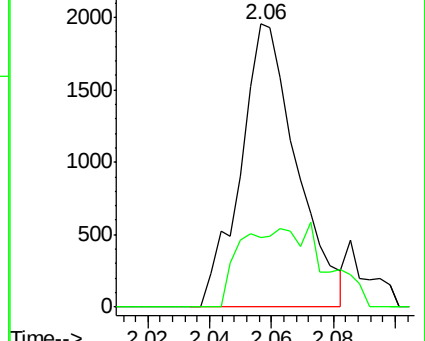
50 100

52 24.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049797.D

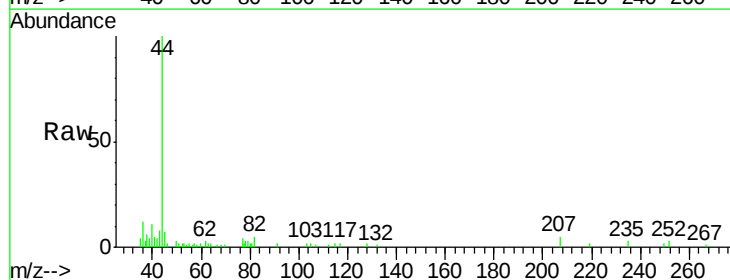
Acq: 13 Jul 2018 15:18

Tgt Ion: 62 Resp: 825

Ion Ratio Lower Upper

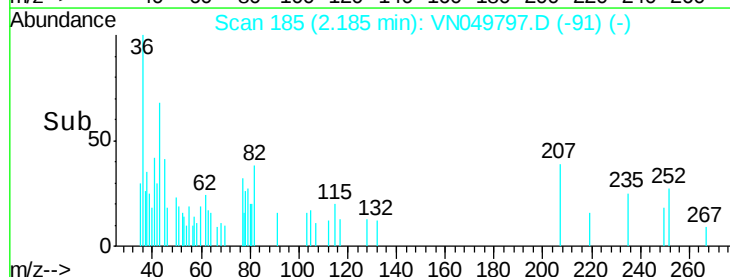
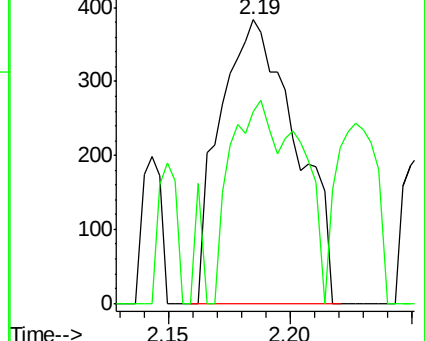
62 100

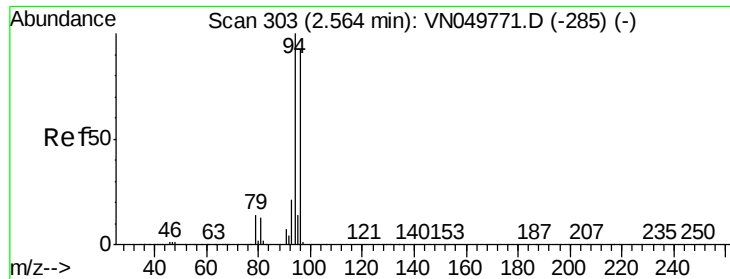
64 67.6 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampled :

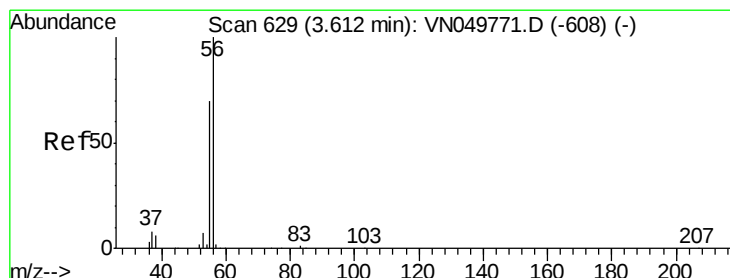
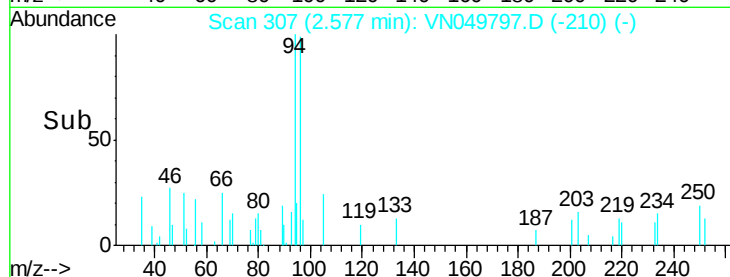
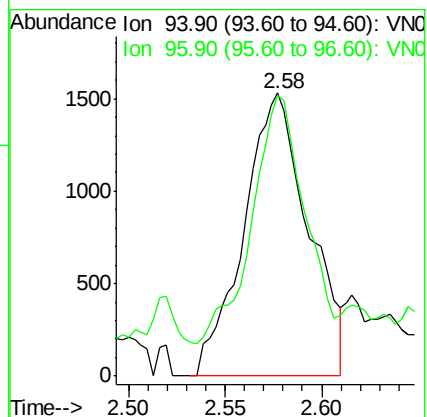
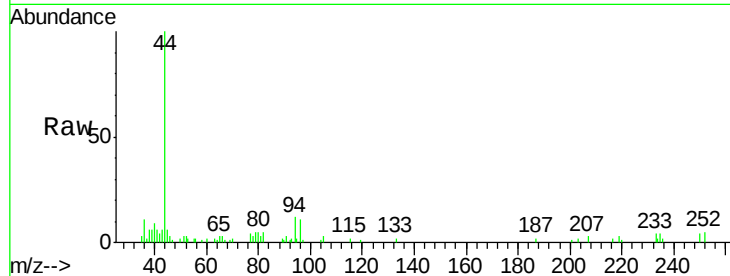
PB111069TB

Tot Ion: 94 Resp: 3547

Ion Ratio Lower Upper

94 100

96 87.3 75.7 113.5



#13

Acrolein

Concen: 0.63 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049797.D

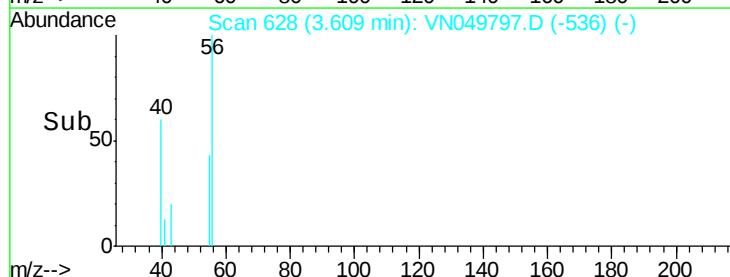
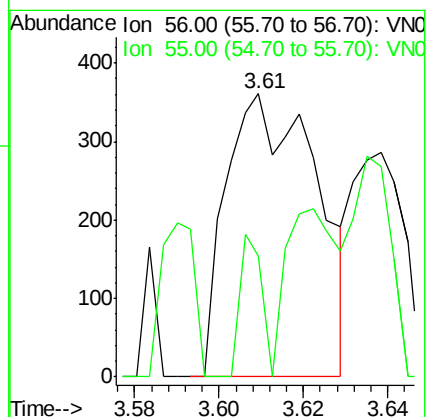
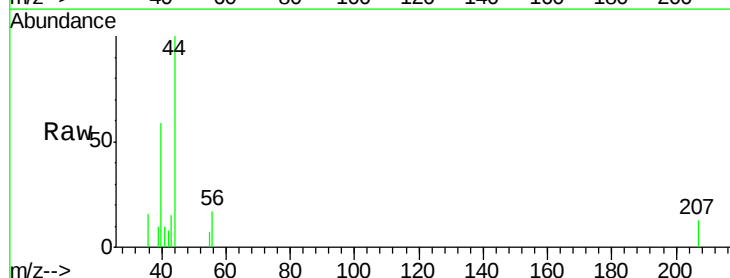
Acq: 13 Jul 2018 15:18

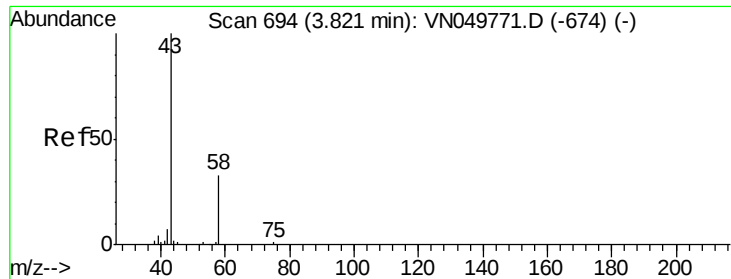
Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

56 100

55 12.2 55.8 83.8#





#16

Acetone

Concen: 6.38 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

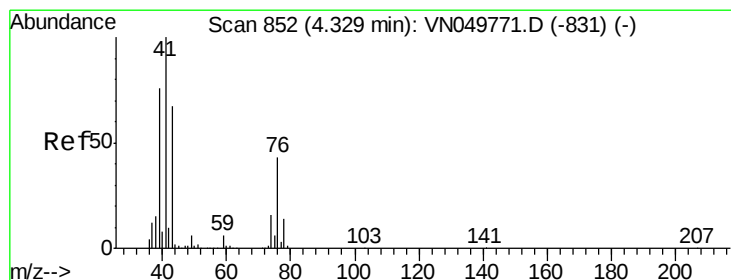
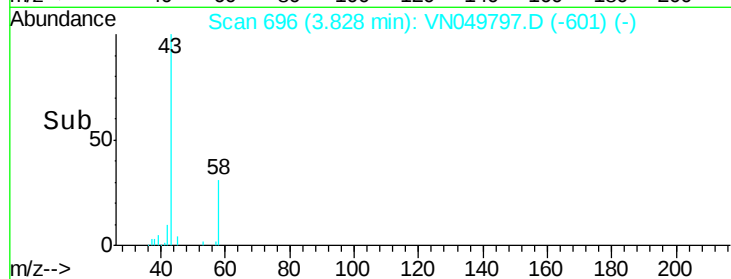
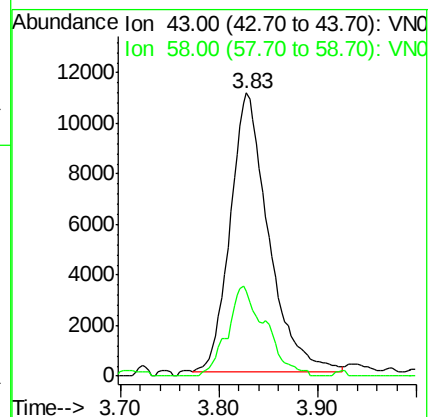
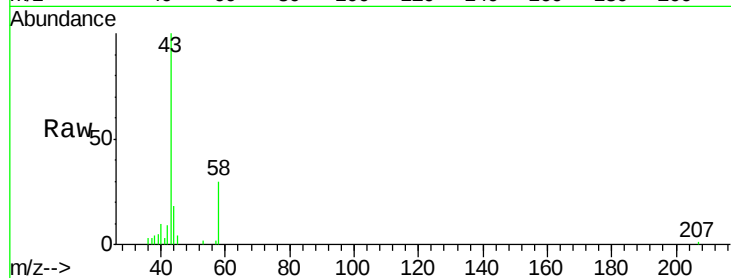
PB111069TB

Tot Ion: 43 Resp: 29791

Ion Ratio Lower Upper

43 100

58 30.3 25.9 38.9



#18

Methyl Acetate

Concen: 4.64 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049797.D

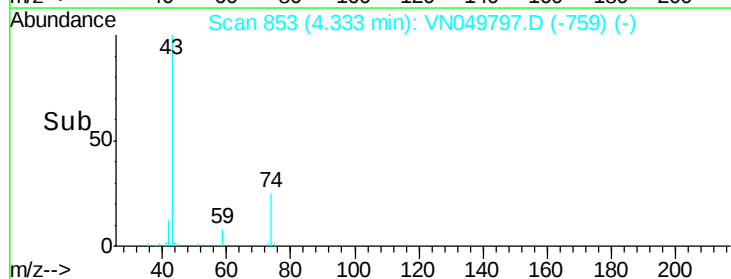
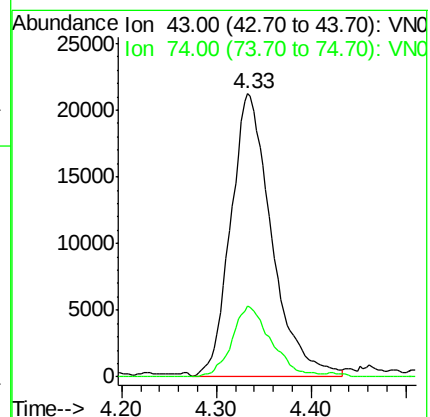
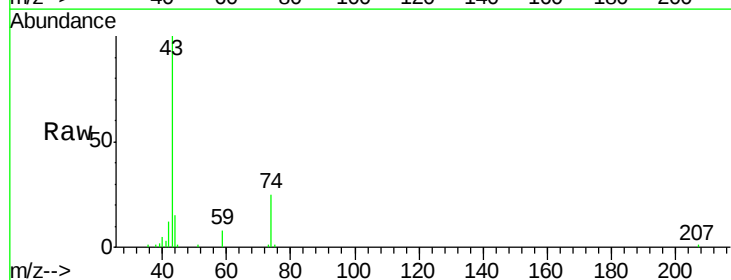
Acq: 13 Jul 2018 15:18

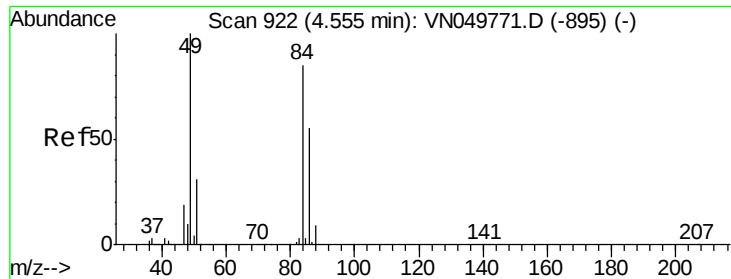
Tgt Ion: 43 Resp: 63909

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8

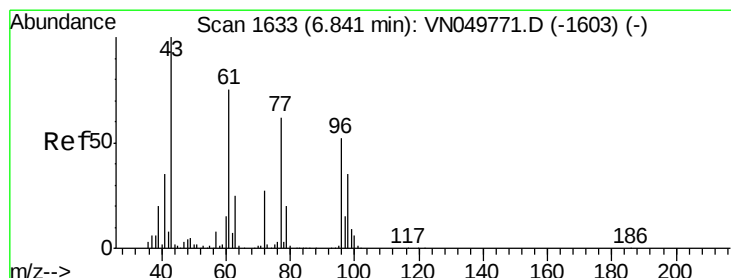
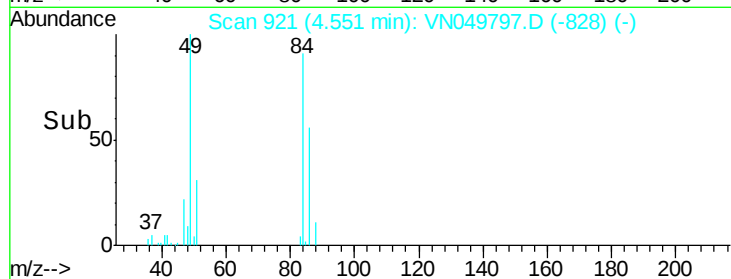
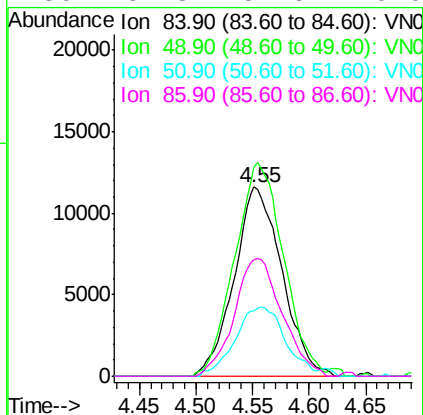
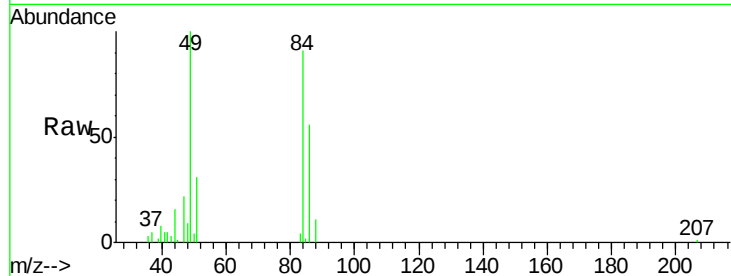




#20
Methvlene Chloride
Concen: 1.42 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

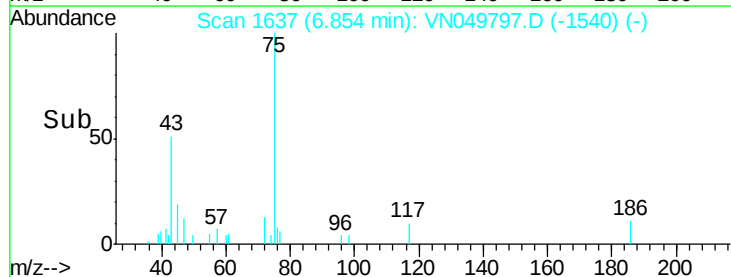
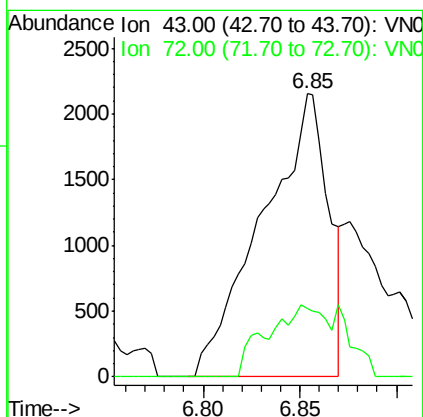
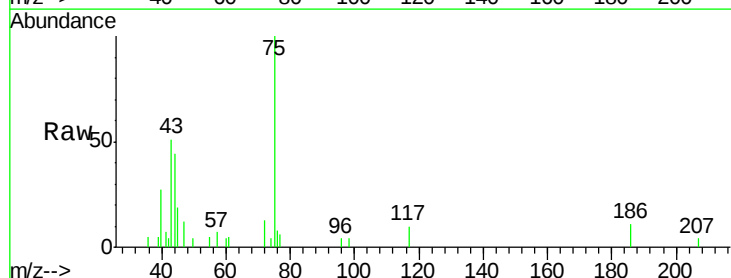
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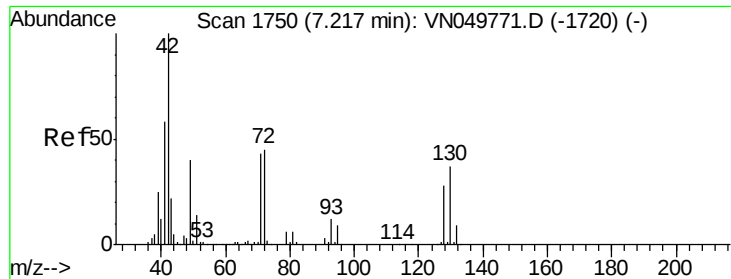
Tot Ion:	84	Resp:	34115
Ion	Ratio	Lower	Upper
84	100		
49	110.4	95.4	143.2
51	34.5	28.4	42.6
86	61.8	52.6	79.0



#25
2-Butanone
Concen: 0.91 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

Tgt Ion:	43	Resp:	5100
Ion	Ratio	Lower	Upper
43	100		
72	24.3	22.1	33.1

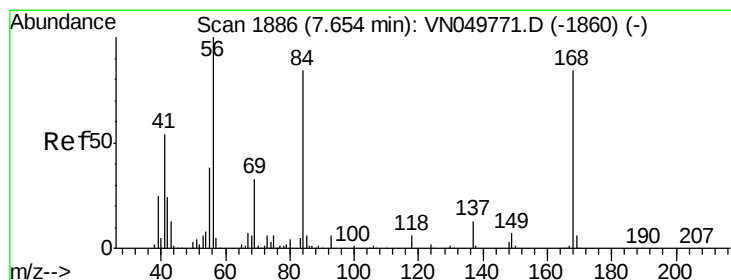
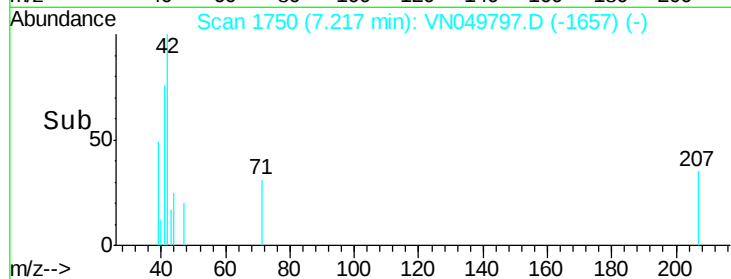
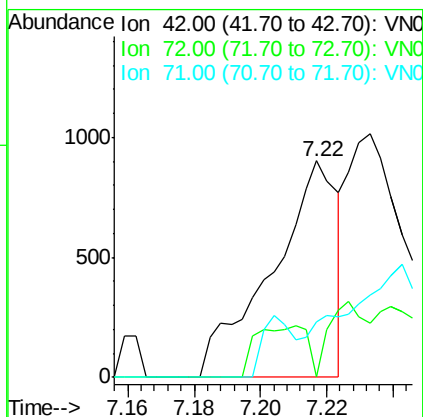
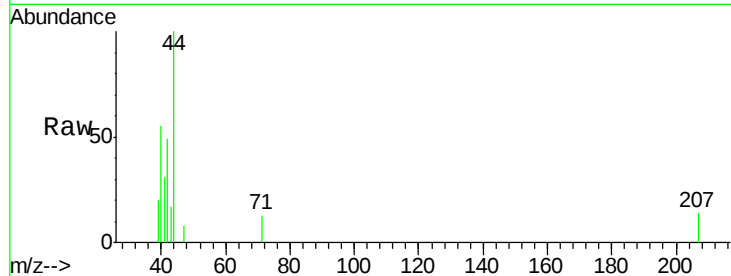




#29
Tetrahydrofuran
Concen: 0.35 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

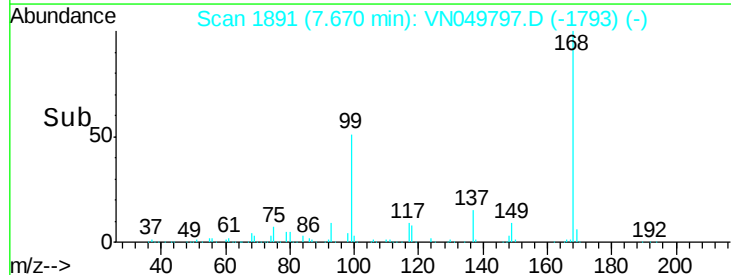
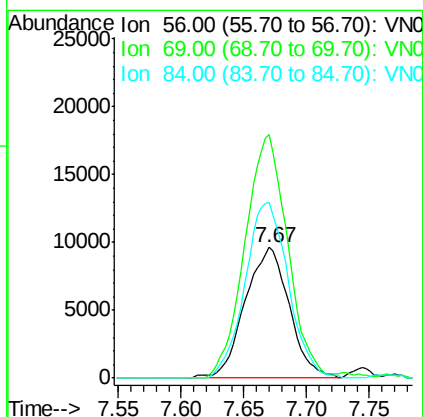
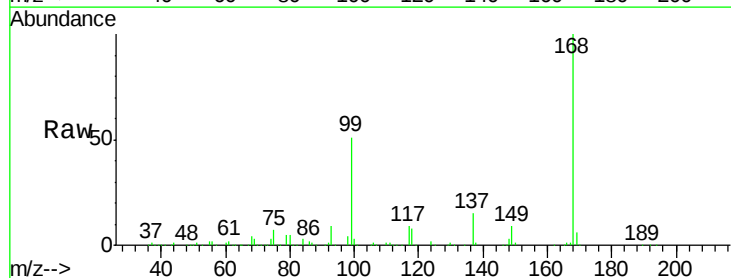
Instrument :
MSVOA_N
ClientSampled :
PB111069TB

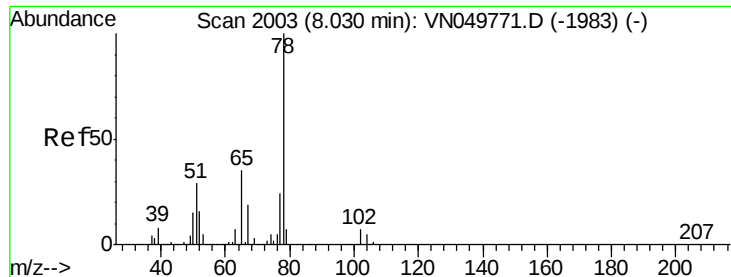
Tot Ion: 42 Resp: 1246
Ion Ratio Lower Upper
42 100
72 18.3 35.6 53.4#
71 13.0 34.0 51.0#



#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

Tgt Ion: 56 Resp: 23711
Ion Ratio Lower Upper
56 100
69 186.1 26.6 40.0#
84 134.0 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 56.04 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

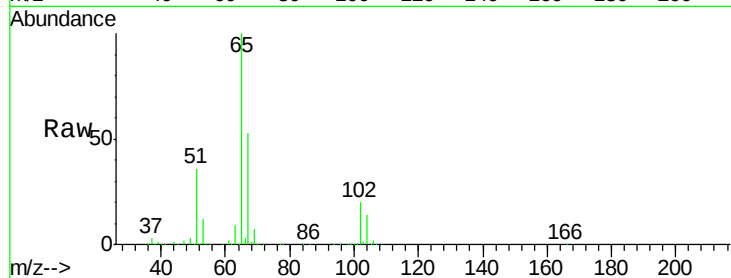
PB111069TB

Tot Ion: 65 Resp: 807442

Ion Ratio Lower Upper

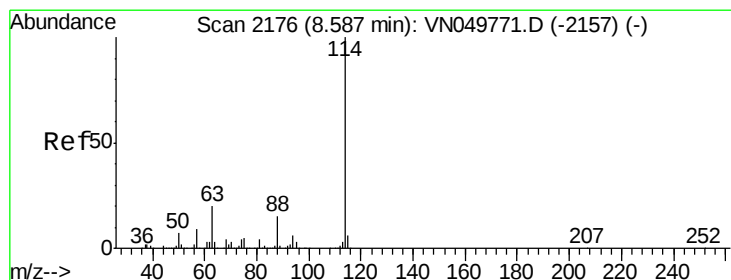
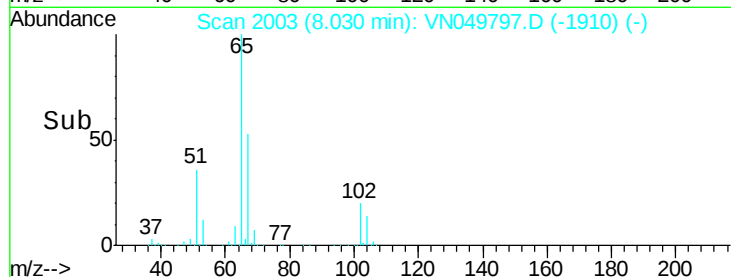
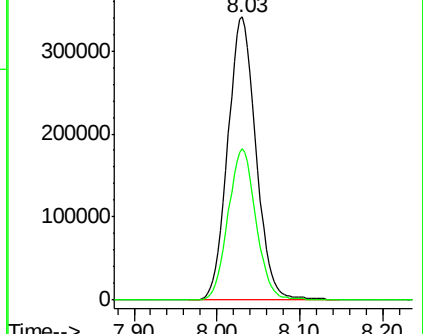
65 100

67 52.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049797.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049797.D (-1910) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

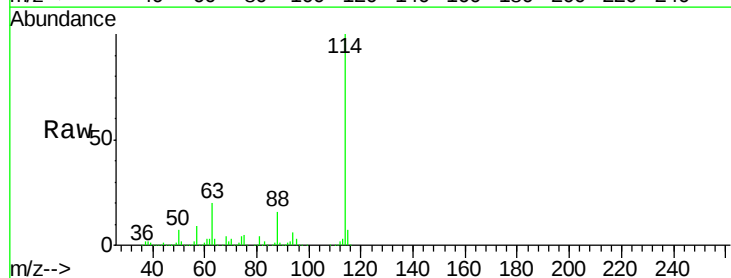
Tgt Ion: 114 Resp: 1873058

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

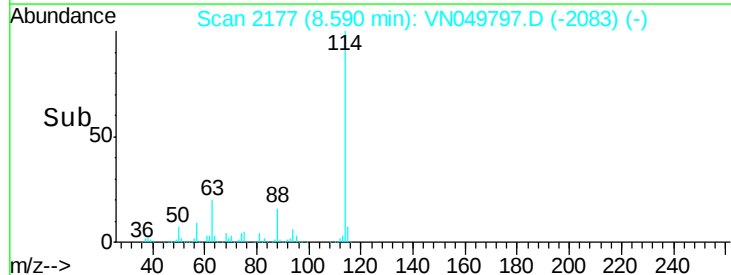
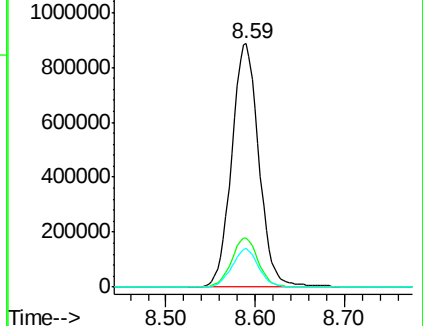
88 15.8 0.0 30.6

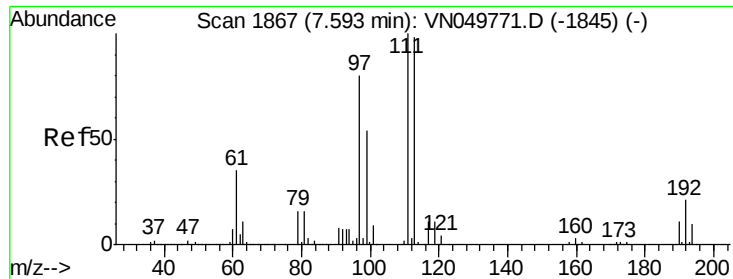


Abundance Ion 113.90 (113.60 to 114.60): VN049797.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049797.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049797.D (-2083) (-)

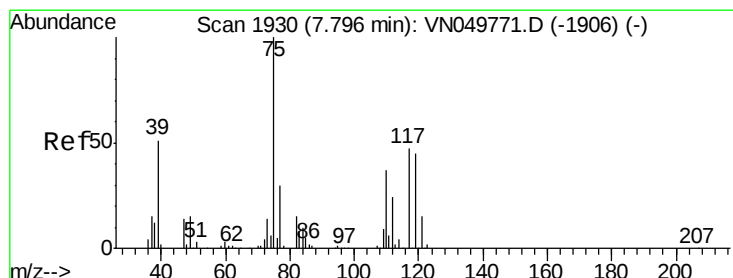
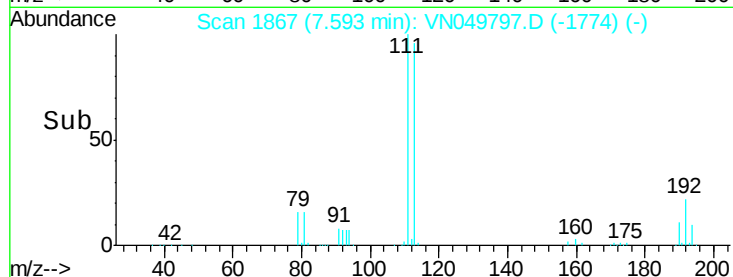
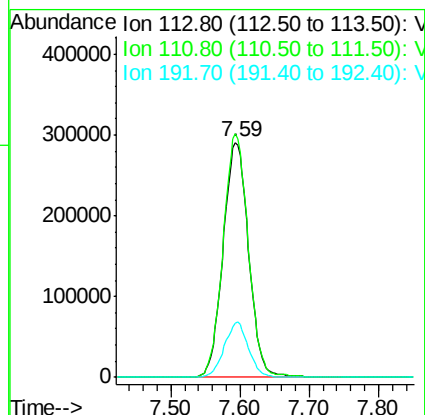
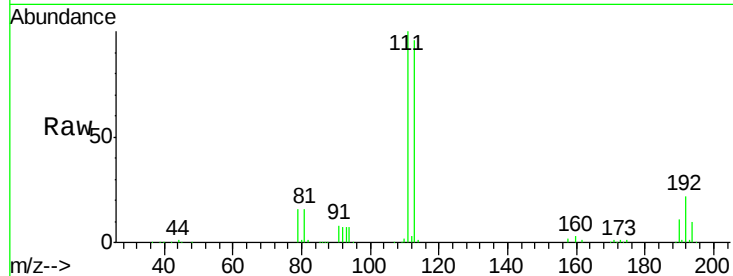




#35
 Dibromofluoromethane
 Concen: 53.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049797.D
 Acq: 13 Jul 2018 15:18

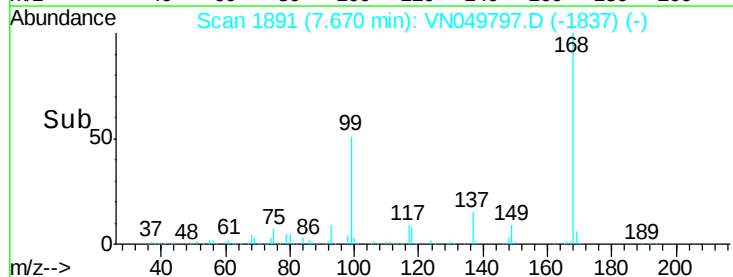
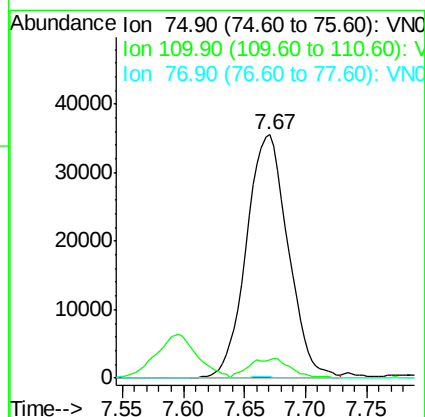
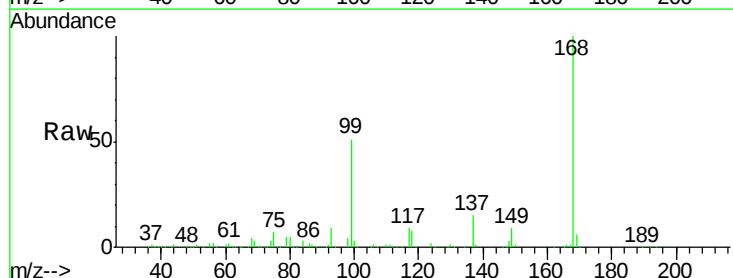
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069TB

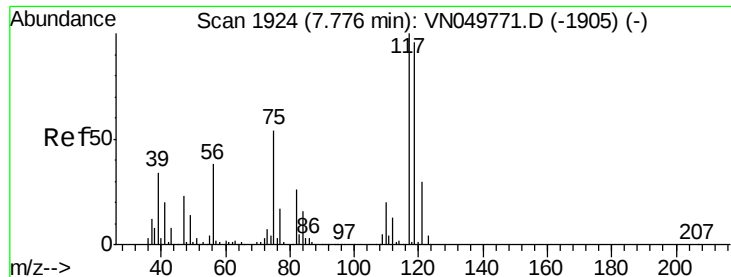
Tot Ion:113 Resp: 748543
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.8
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN049797.D
 Acq: 13 Jul 2018 15:18

Tgt Ion: 75 Resp: 84152
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.1 54.4#
 77 0.3 24.9 37.3#

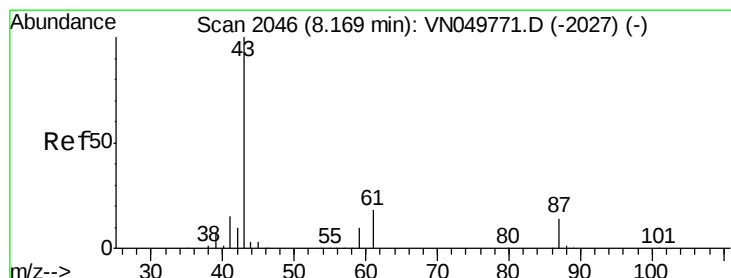
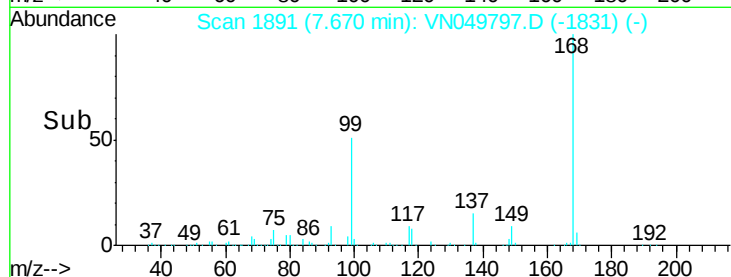
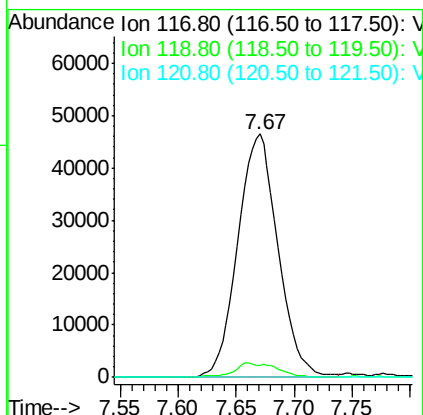
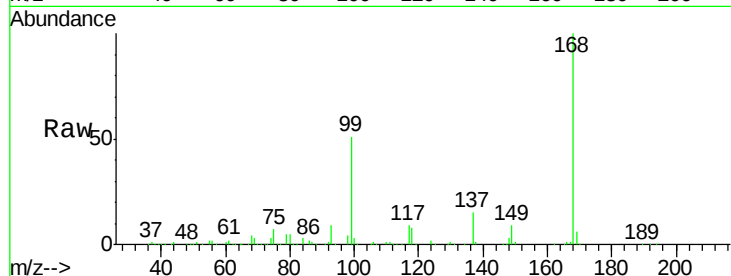




#38
Carbon Tetrachloride
Concen: 4.97 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

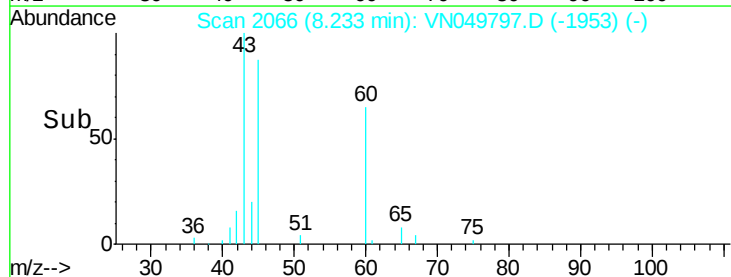
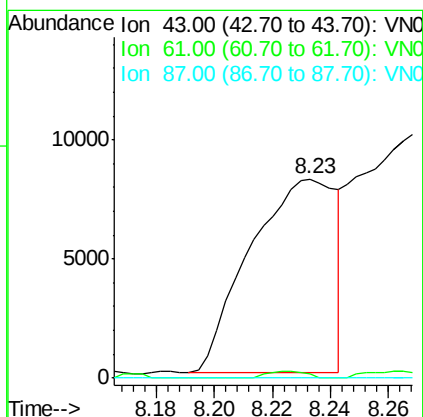
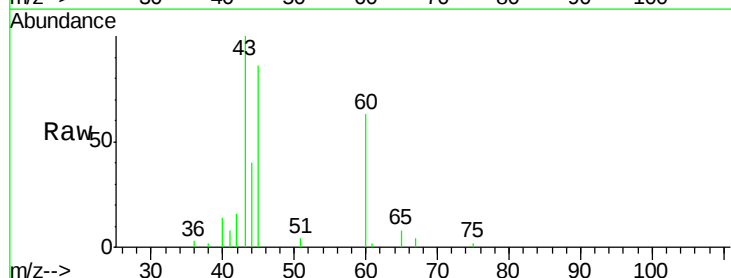
Instrument :
MSVOA_N
ClientSampleId :
PB111069TB

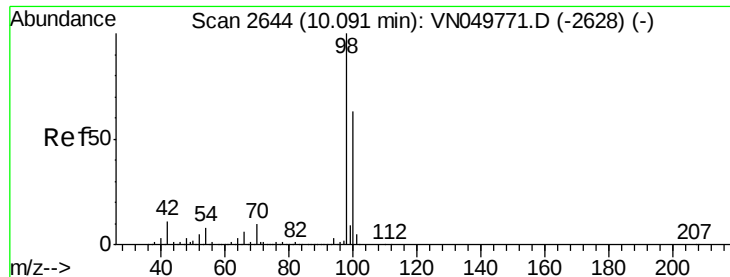
Tot Ion:117 Resp: 112190
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 0.73 ug/l
RT: 8.23 min Scan# 2066
Delta R.T. 0.06 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

Tgt Ion: 43 Resp: 16859
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#





#50

Toluene-d8

Concen: 54.00 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

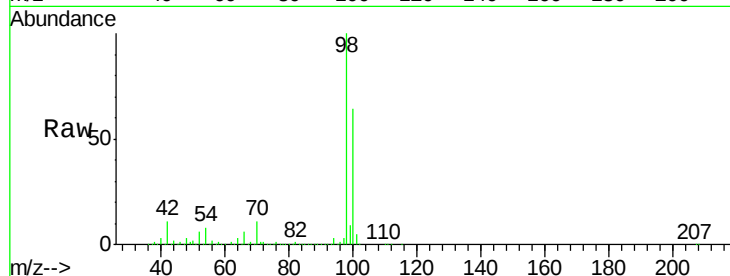
PB111069TB

Tot Ion: 98 Resp: 2609747

Ion Ratio Lower Upper

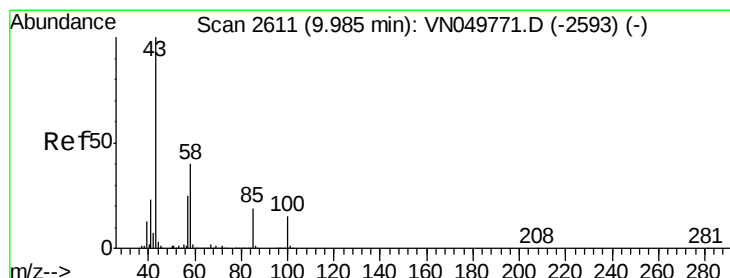
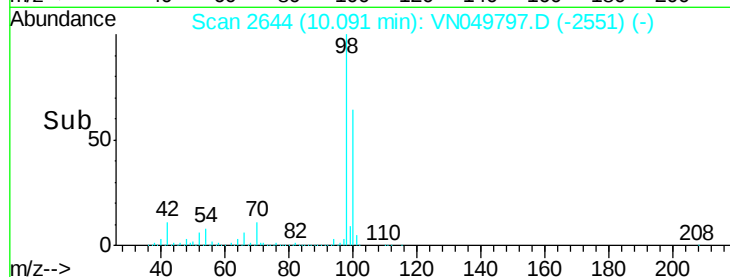
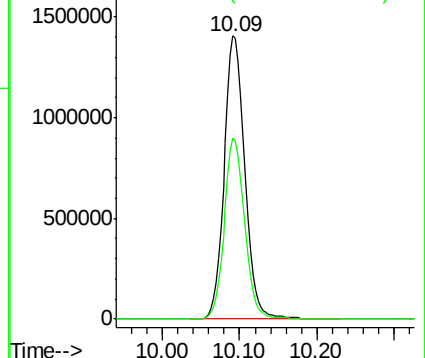
98 100

100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049797.D

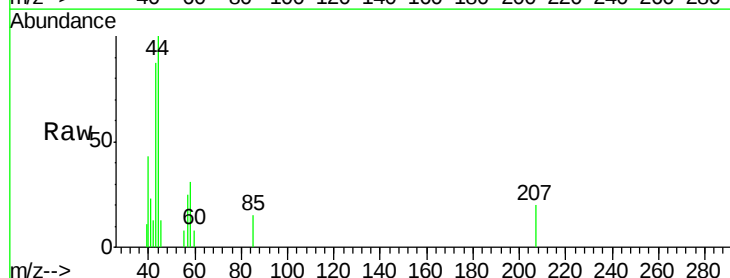
Acq: 13 Jul 2018 15:18

Tgt Ion: 43 Resp: 4380

Ion Ratio Lower Upper

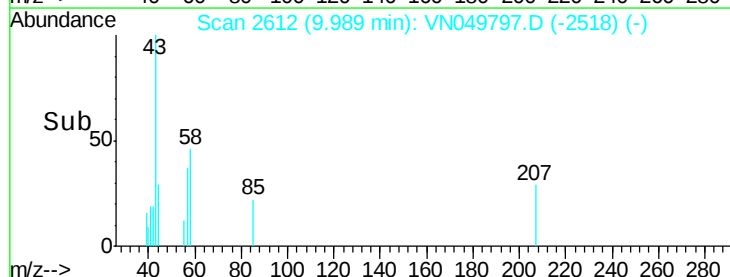
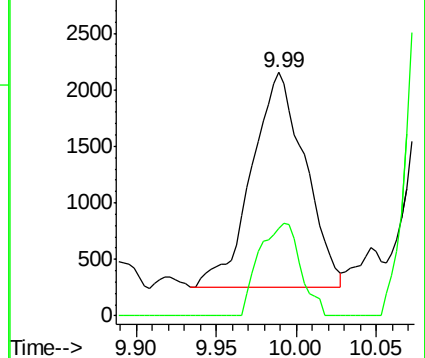
43 100

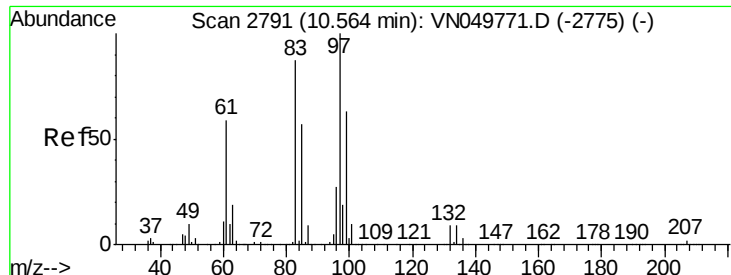
58 33.2 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

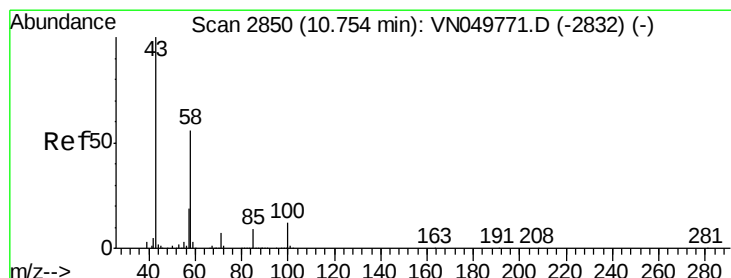
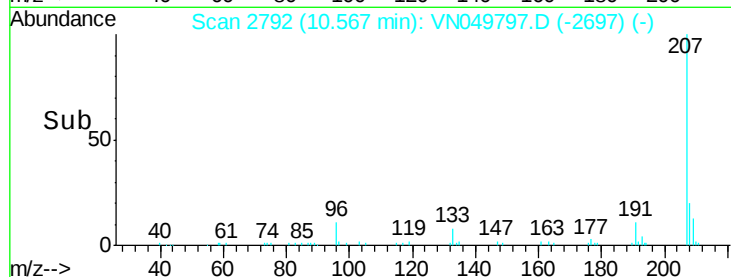
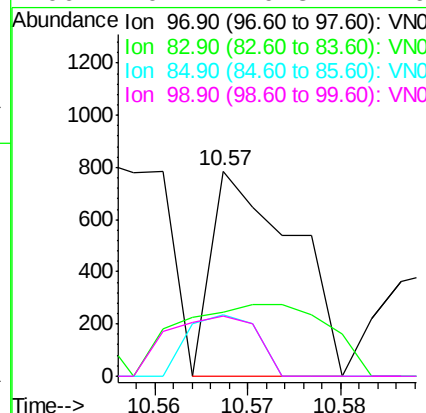
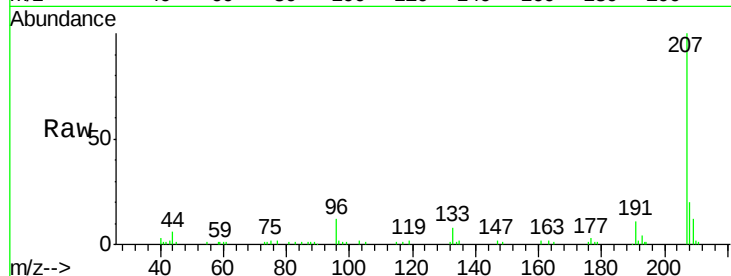




#55
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN049797.D
 Acq: 13 Jul 2018 15:18

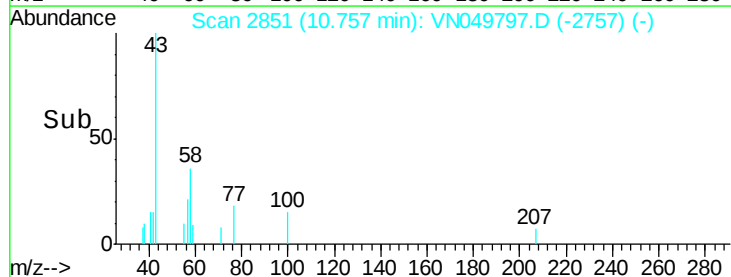
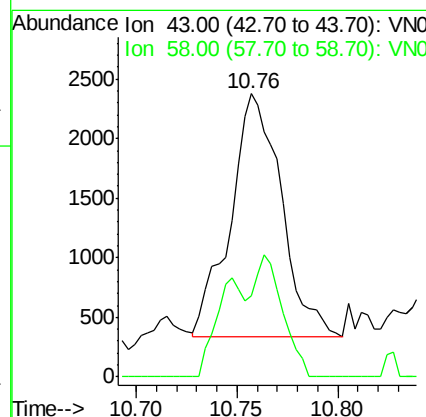
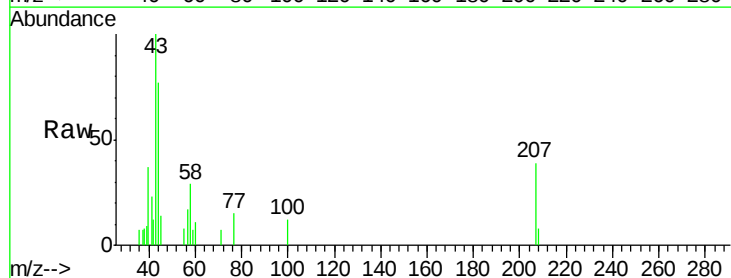
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069TB

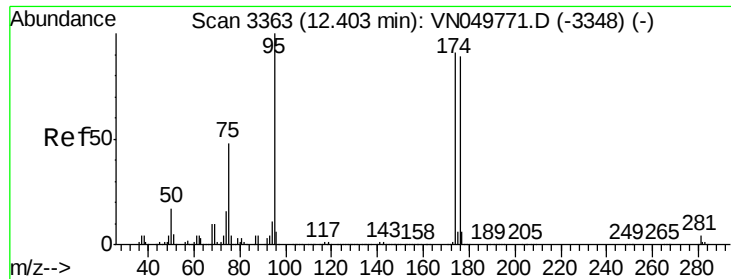
Tot Ion: 97 Resp: 485
 Ion Ratio Lower Upper
 97 100
 83 10.6 69.0 103.6#
 85 29.6 44.9 67.3#
 99 29.4 49.8 74.6#



#59
 2-Hexanone
 Concen: 0.44 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN049797.D
 Acq: 13 Jul 2018 15:18

Tgt Ion: 43 Resp: 3606
 Ion Ratio Lower Upper
 43 100
 58 29.7 27.8 83.4

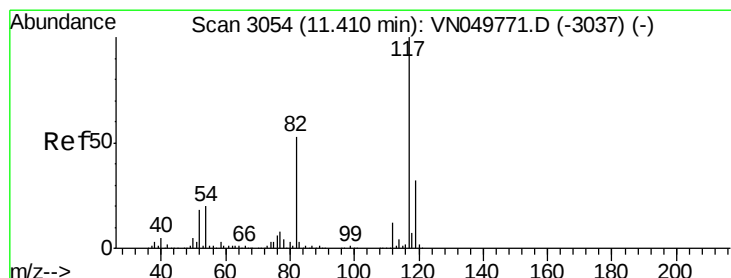
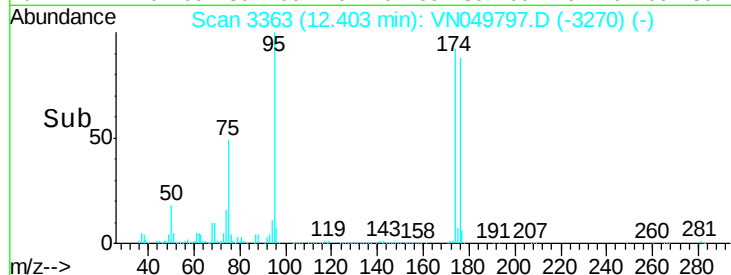
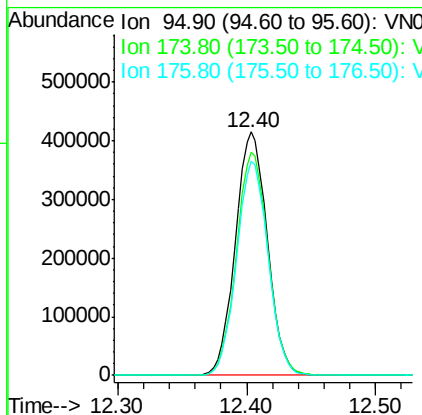
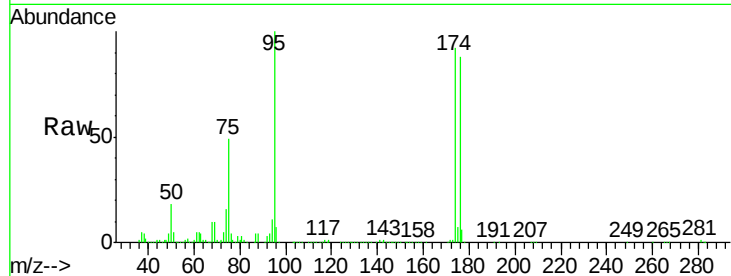




#62
4-Bromofluorobenzene
Concen: 41.30 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

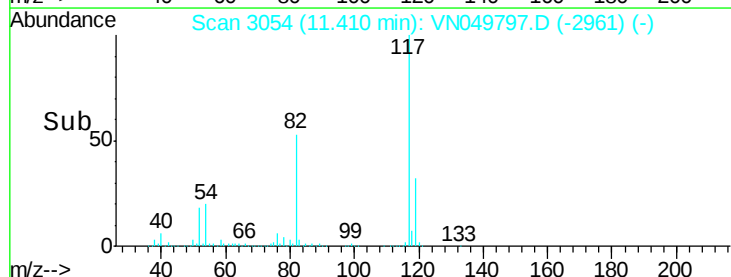
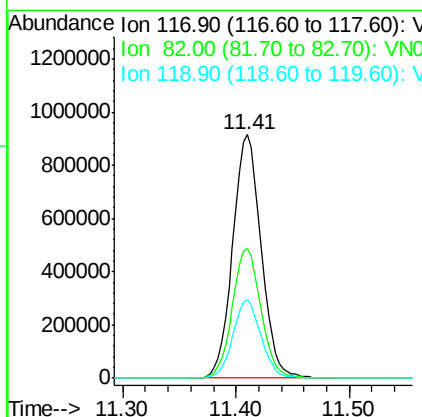
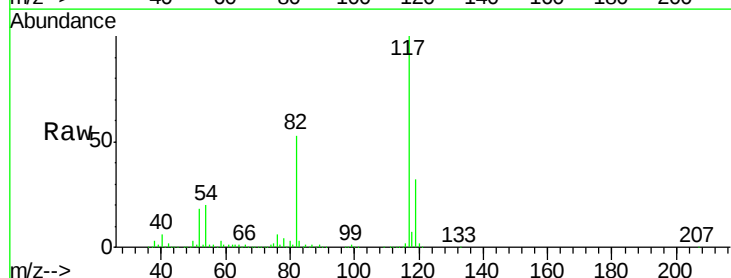
Instrument :
MSVOA_N
ClientSampleId :
PB111069TB

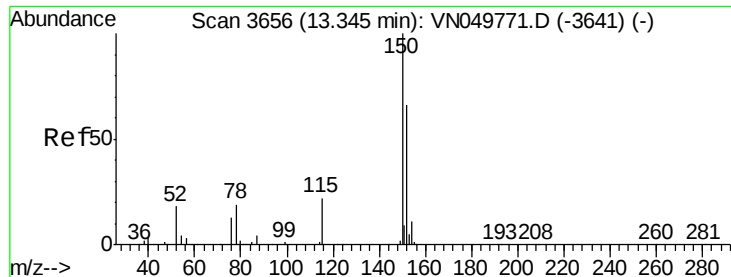
Tot Ion: 95 Resp: 712943
Ion Ratio Lower Upper
95 100
174 91.1 0.0 179.6
176 86.9 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049797.D
Acq: 13 Jul 2018 15:18

Tgt Ion: 117 Resp: 1602748
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampled :

PB111069TB

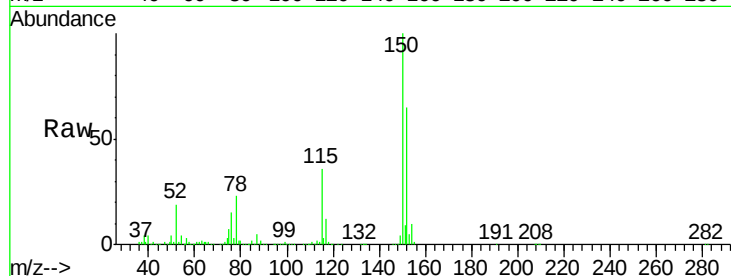
Tot Ion:152 Resp: 577819

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

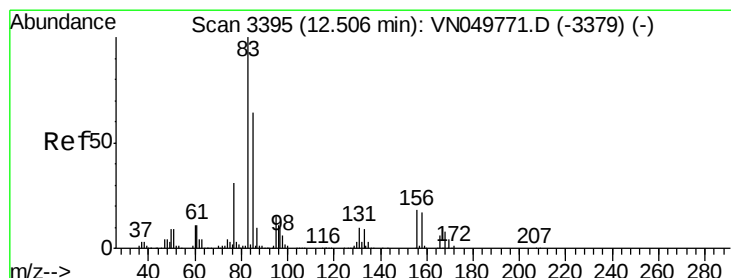
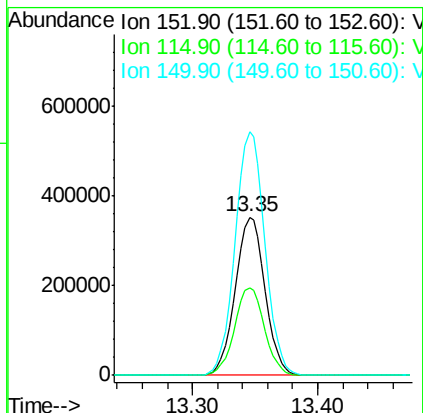
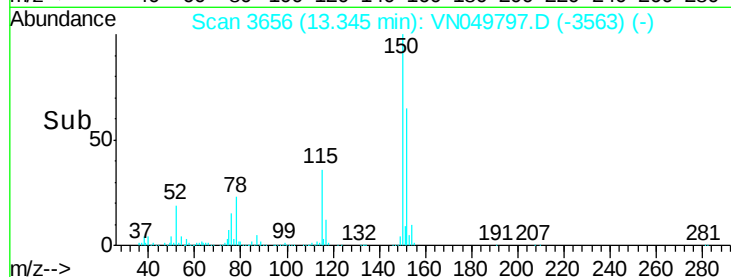
150 154.6 0.0 347.6



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: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

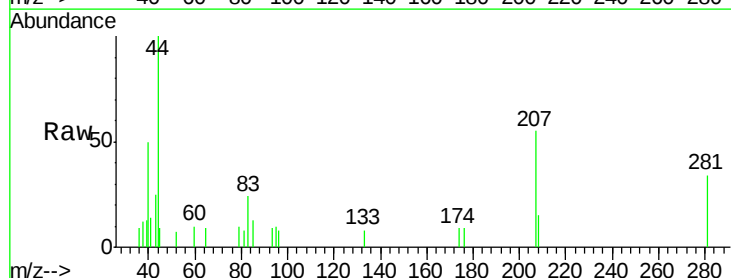
Tgt Ion: 83 Resp: 435

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

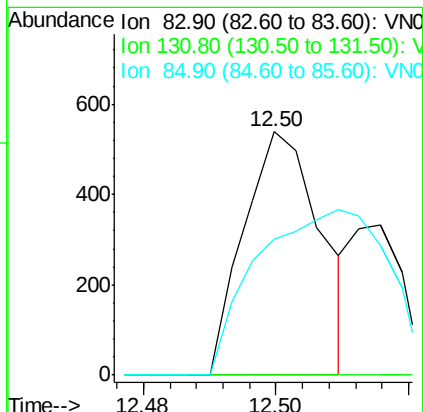
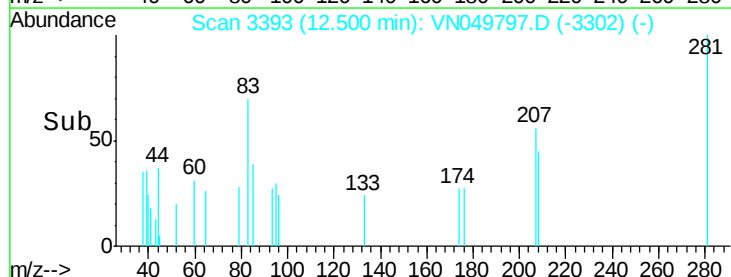
85 114.5 32.5 97.4#

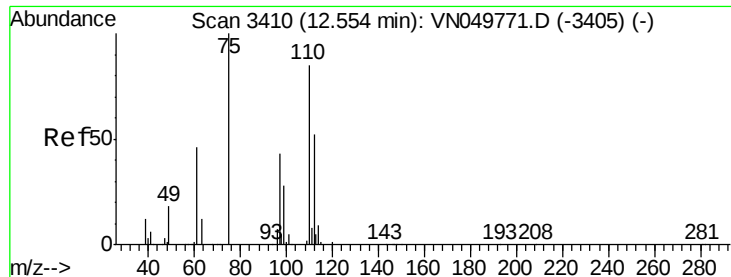


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 33.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

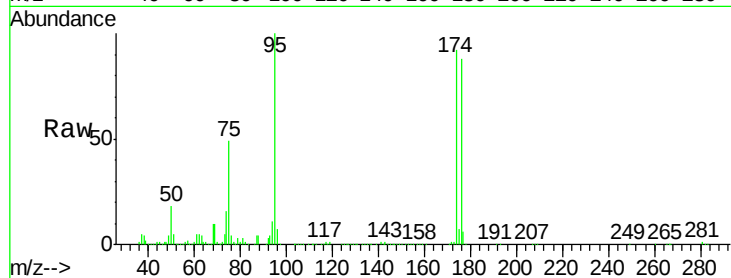
PB111069TB

Tot Ion: 75 Resp: 344782

Ion Ratio Lower Upper

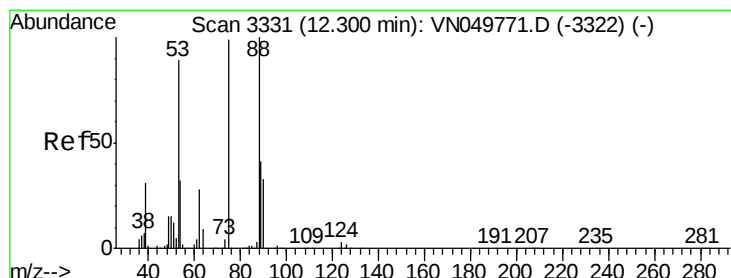
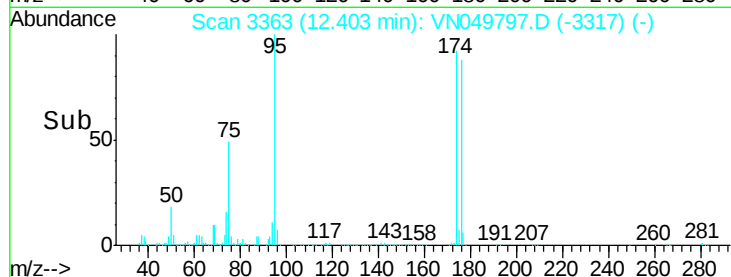
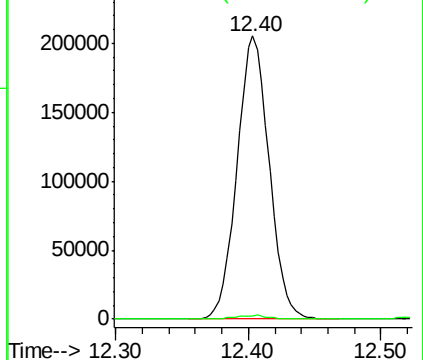
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 108.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

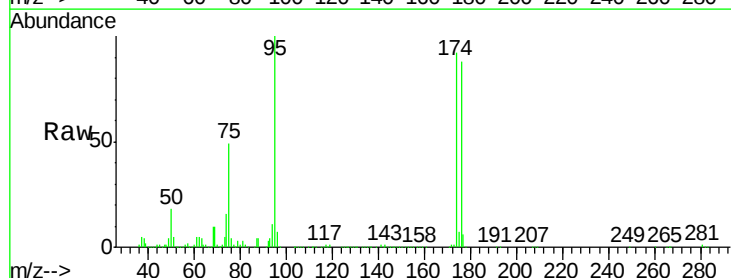
Tgt Ion: 75 Resp: 344782

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

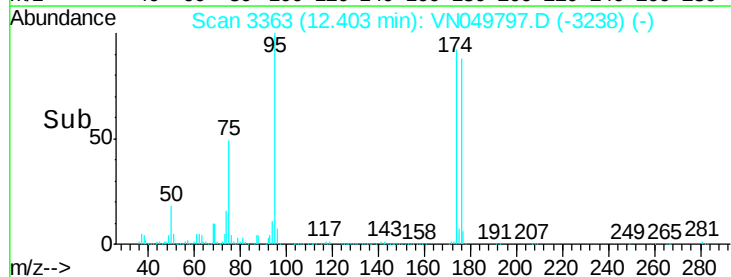
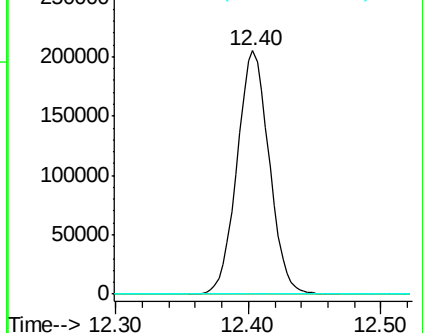
89 0.0 35.9 53.9#

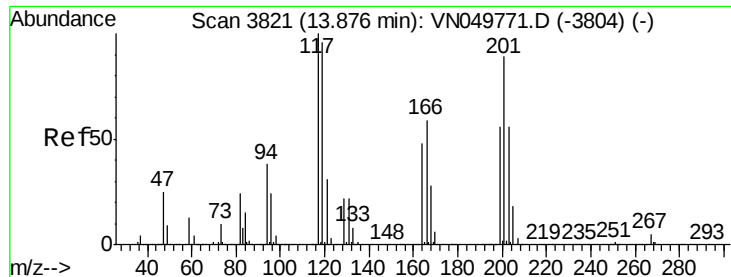


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#90

Hexachloroethane

Concen: Below Cal

RT: 13.93 min Scan# 3838

Delta R.T. 0.06 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

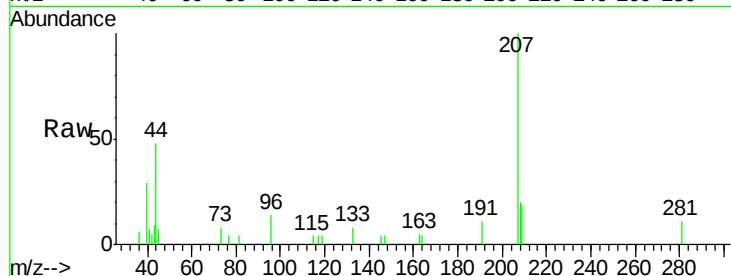
PB111069TB

Tot Ion:117 Resp: 71

Ion Ratio Lower Upper

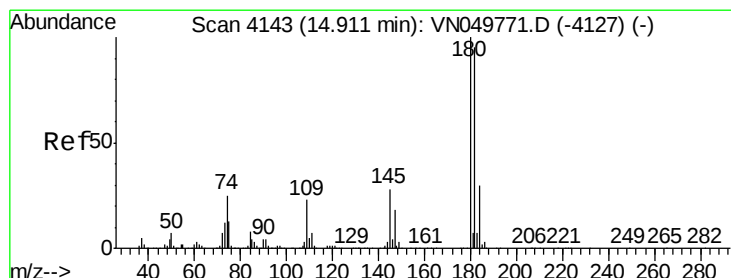
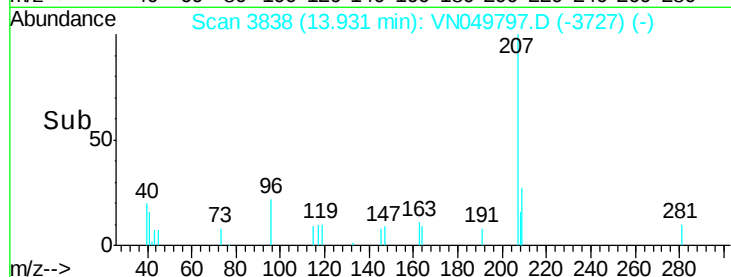
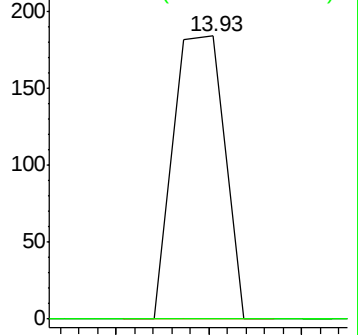
117 100

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



#93

1,2,4-Trichlorobenzene

Concen: 3.34 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

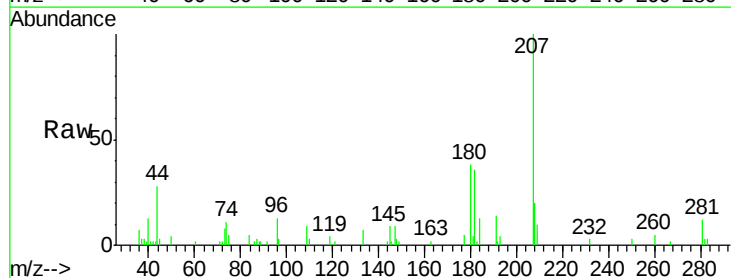
Tgt Ion:180 Resp: 5591

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.9

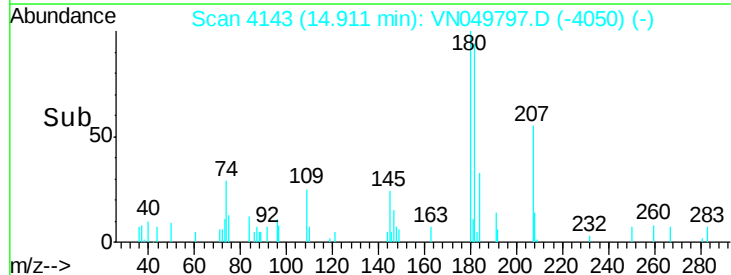
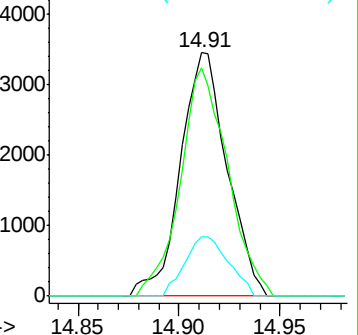
145 22.7 14.4 43.0

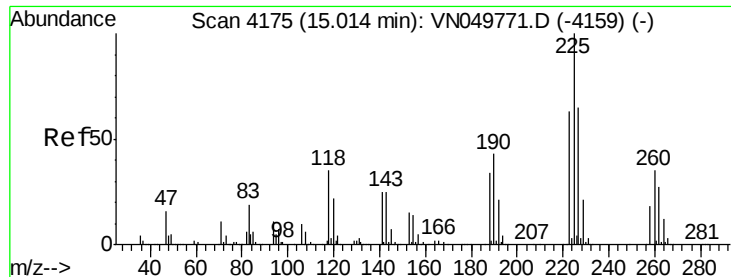


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

Instrument :

MSVOA_N

ClientSampled :

PB111069TB

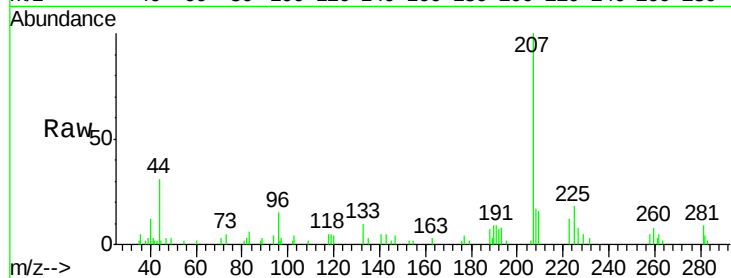
Tot Ion:225 Resp: 2356

Ion Ratio Lower Upper

225 100

223 83.4 30.9 92.7

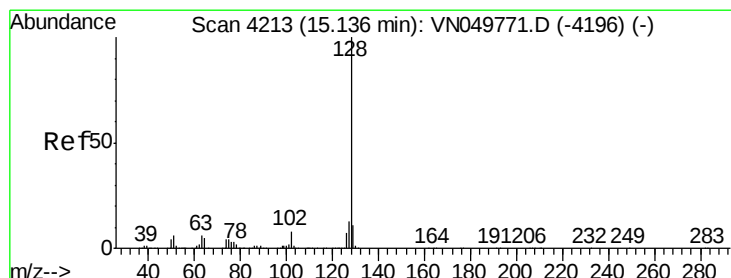
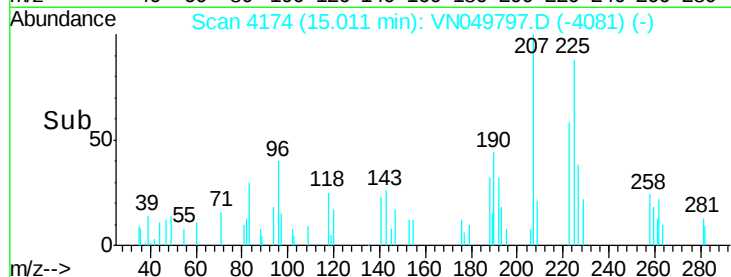
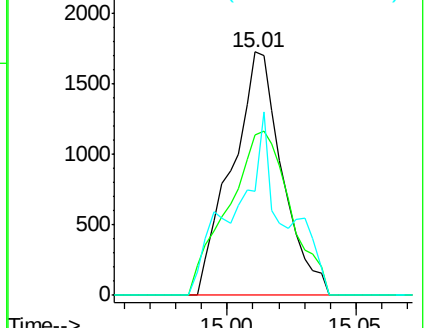
227 59.3 31.8 95.4



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: 4.53 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049797.D

Acq: 13 Jul 2018 15:18

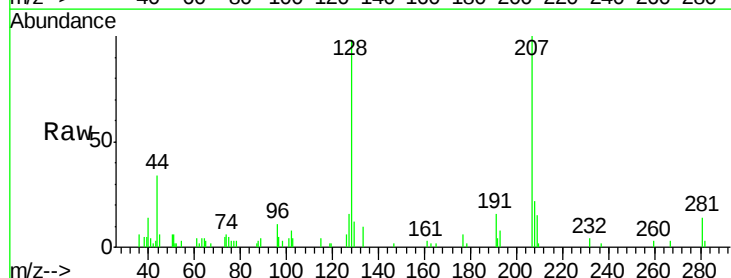
Tgt Ion:128 Resp: 14085

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

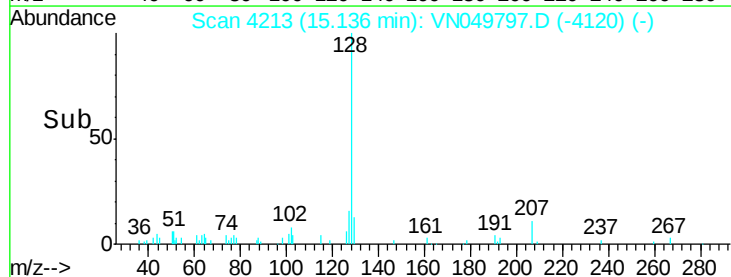
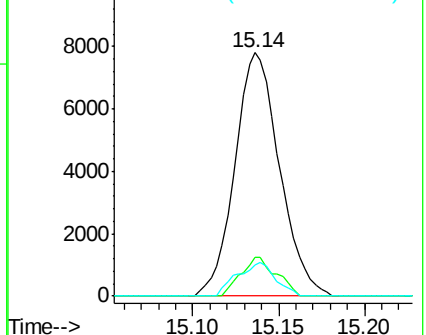
129 11.8 8.6 13.0

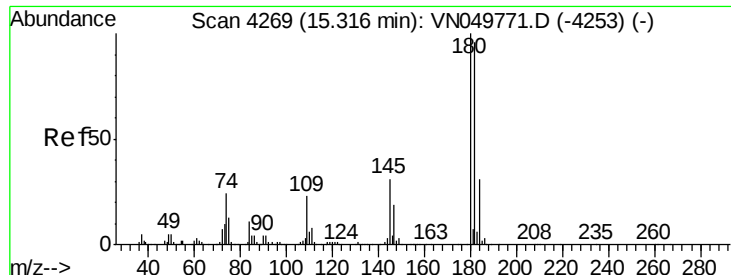


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

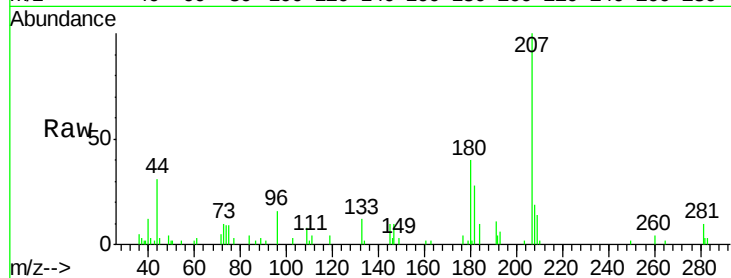




#96
 1,2,3-Trichlorobenzene
 Concen: 0.57 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049797.D
 Acq: 13 Jul 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.4	142.2
145	25.5	15.2	45.6



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

