

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049799.D
 Acq On : 13 Jul 2018 16:09
 Operator : MD\SY
 Sample : PB111069ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#02

Quant Time: Jul 13 23:51:05 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	1207518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1842793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1586690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	574320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	797714	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	
35) Dibromofluoromethane	7.59	113	727053	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.09	98	2564275	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.40	95	711006	41.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	424	Below Cal	#	29
3) Chloromethane	2.06	50	2350	Below Cal	#	88
4) Vinyl Chloride	2.19	62	880	Below Cal	#	69
5) Bromomethane	2.57	94	2465	Below Cal	#	74
11) Tert butyl alcohol	4.80	59	263	0.28	ug/l	# 72
13) Acrolein	3.63	56	354	0.43	ug/l	# 33
15) Acrylonitrile	5.00	53	1046	0.22	ug/l	# 84
16) Acetone	3.83	43	28147	6.12	ug/l	98
17) Carbon Disulfide	4.06	76	9607	Below Cal		99
18) Methyl Acetate	4.34	43	59489	4.40	ug/l	99
20) Methylene Chloride	4.55	84	16952	0.26	ug/l	96
25) 2-Butanone	6.85	43	7021	1.28	ug/l	99
29) Tetrahydrofuran	7.21	42	894	0.26	ug/l	# 73
31) Cyclohexane	7.67	56	22119	0.76	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	83672	3.94	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	109149	4.92	ug/l	# 16
43) Isopropyl Acetate	8.24	43	22097	0.98	ug/l	# 62
49) 1,4-Dioxane	9.20	88	30	0.20	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	3559	0.29	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	1180	Below Cal	#	23
59) 2-Hexanone	10.76	43	3671	0.45	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	434	Below Cal		95
76) 1,2,3-Trichloropropane	12.40	75	348856	34.19	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	348856	110.42	ug/l	# 13
87) 1,3-Dichlorobenzene	13.28	146	4483	0.20	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	4483	0.21	ug/l	97
90) Hexachloroethane	13.87	117	225	Below Cal		61
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1350	0.31	ug/l	# 15
93) 1,2,4-Trichlorobenzene	14.91	180	6196	3.39	ug/l	97
94) Hexachlorobutadiene	15.01	225	2461	Below Cal		91
95) Naphthalene	15.14	128	15527	4.59	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	6472	0.62	ug/l	95

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#02

Quant Time: Jul 13 23:51:05 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

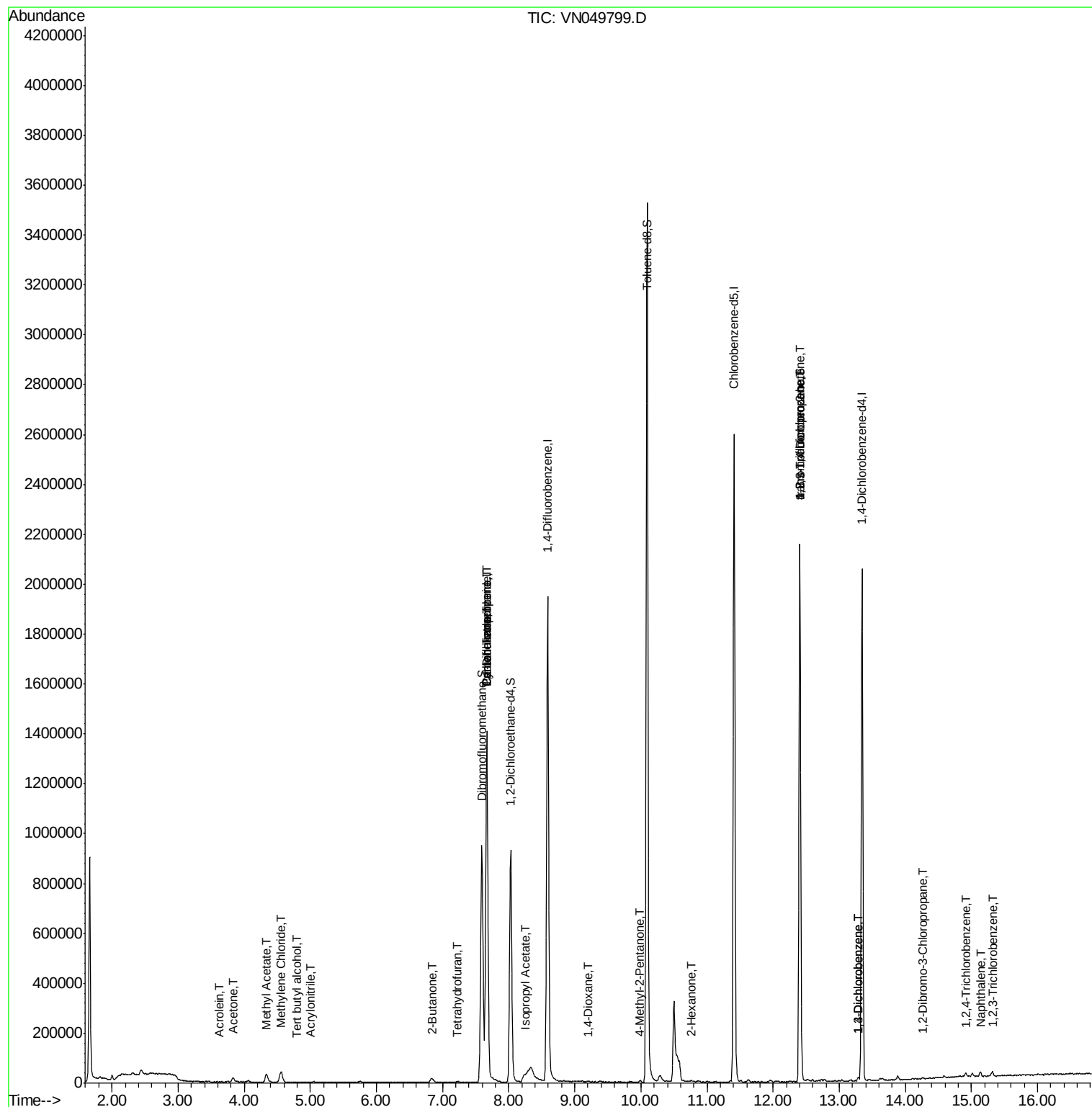
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

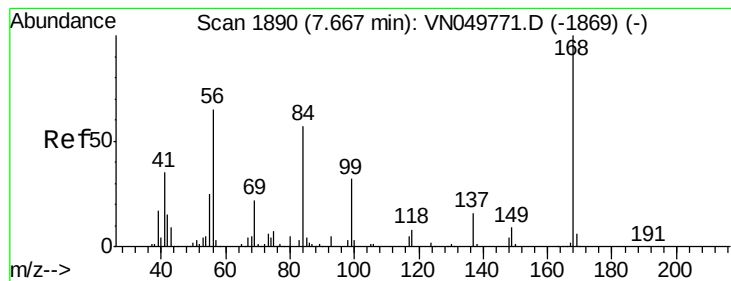
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

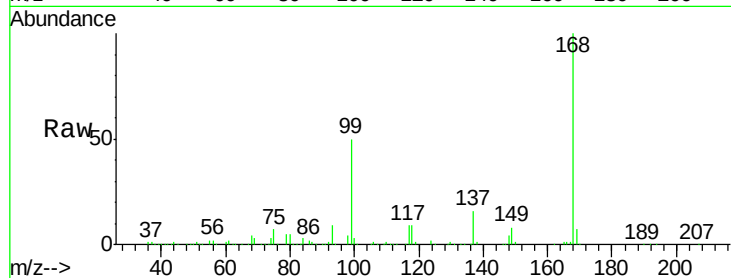
PB111069ZHE#02

Tot Ion:168 Resp: 1207518

Ion Ratio Lower Upper

168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

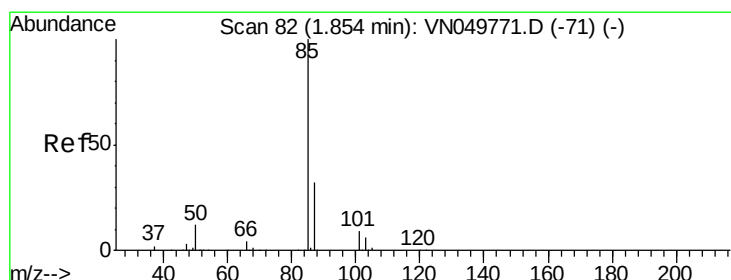
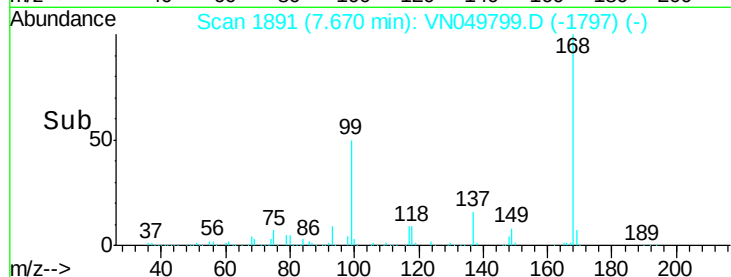
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049799.D

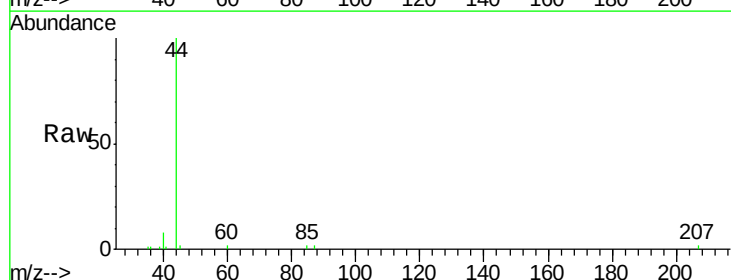
Acq: 13 Jul 2018 16:09

Tgt Ion: 85 Resp: 424

Ion Ratio Lower Upper

85 100

87 69.4 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

400

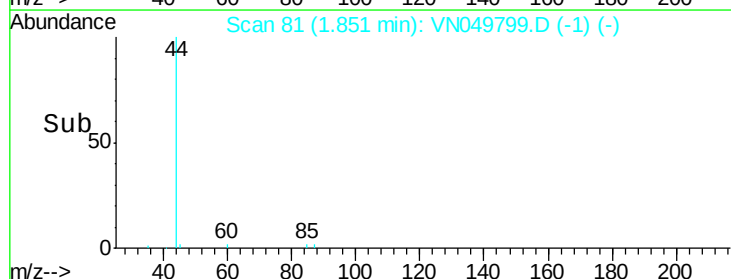
300

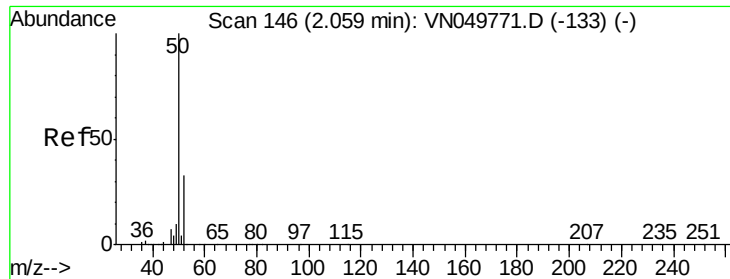
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 147

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

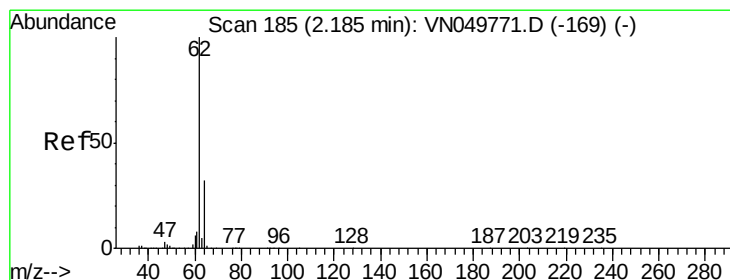
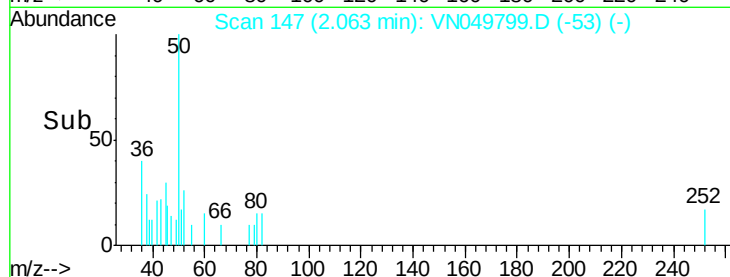
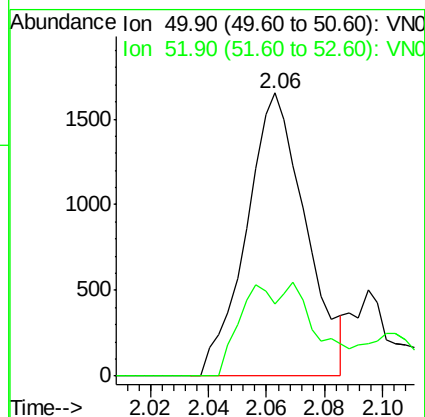
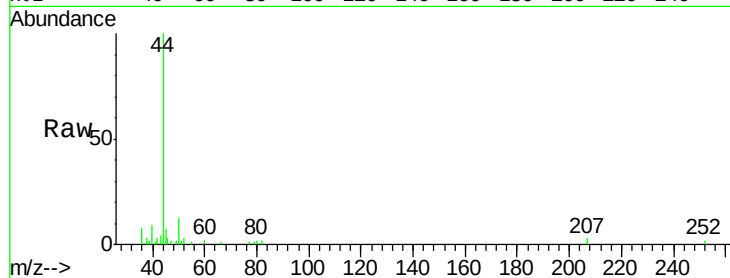
PB111069ZHE#02

Tot Ion: 50 Resp: 2350

Ion Ratio Lower Upper

50 100

52 25.6 26.1 39.1#



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.19 min Scan# 186

Delta R.T. 0.00 min

Lab File: VN049799.D

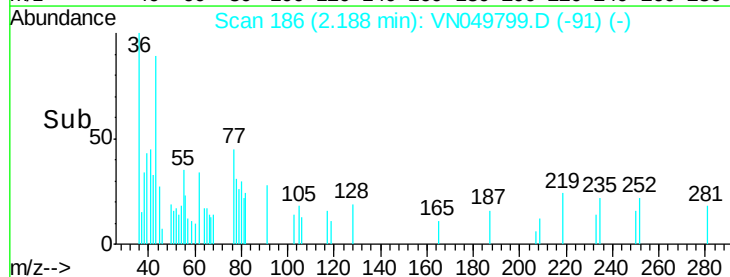
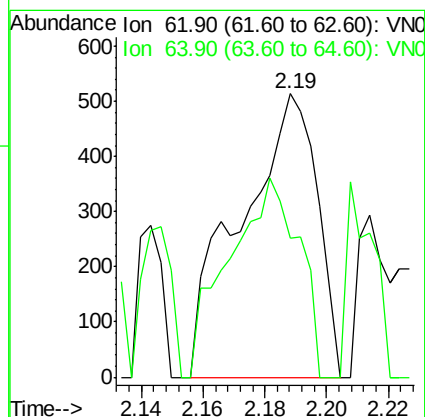
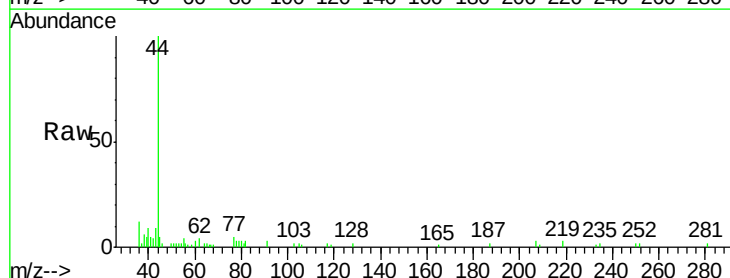
Acq: 13 Jul 2018 16:09

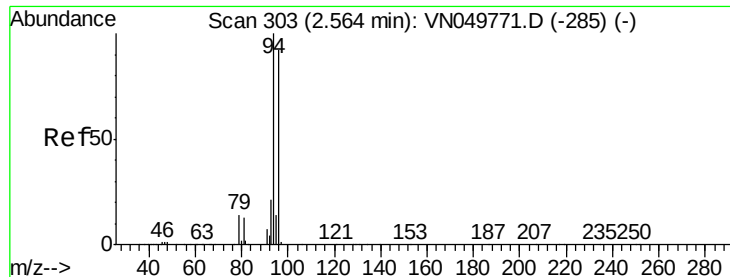
Tgt Ion: 62 Resp: 880

Ion Ratio Lower Upper

62 100

64 48.9 25.4 38.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

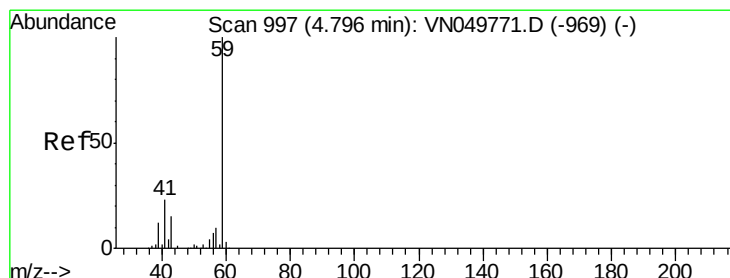
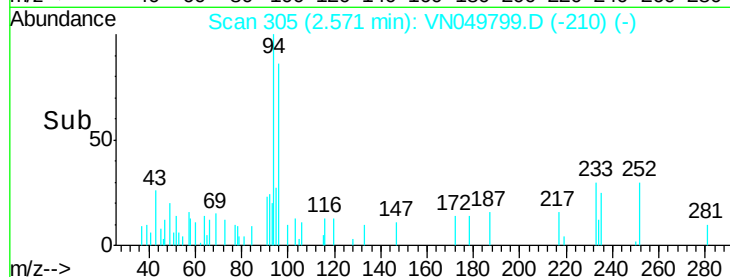
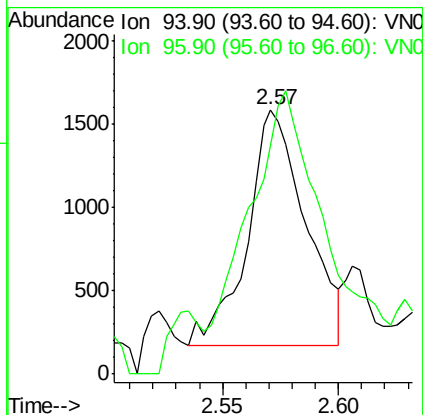
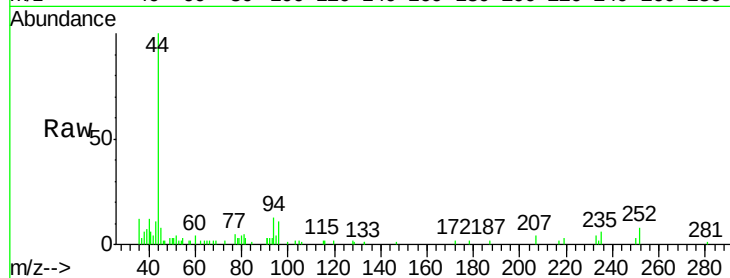
PB111069ZHE#02

Tot Ion: 94 Resp: 2465

Ion Ratio Lower Upper

94 100

96 69.9 75.7 113.5#



#11

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN049799.D

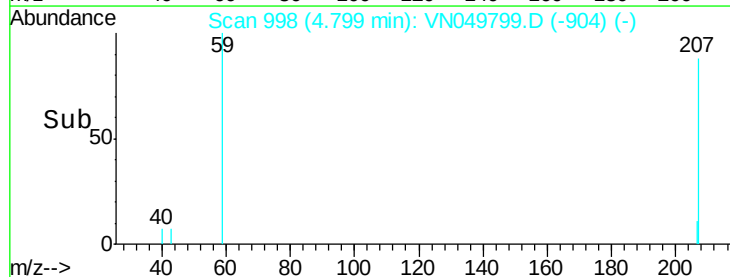
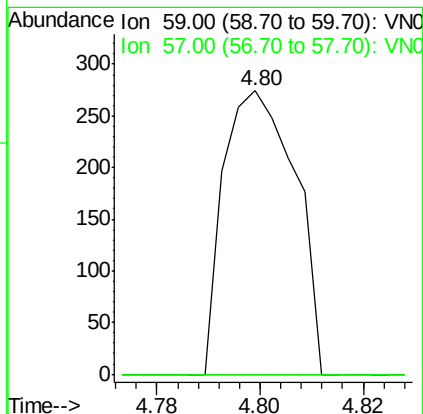
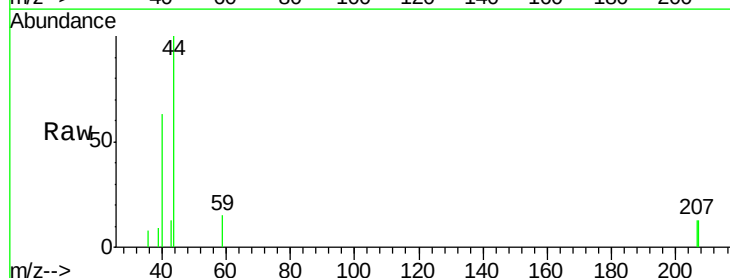
Acq: 13 Jul 2018 16:09

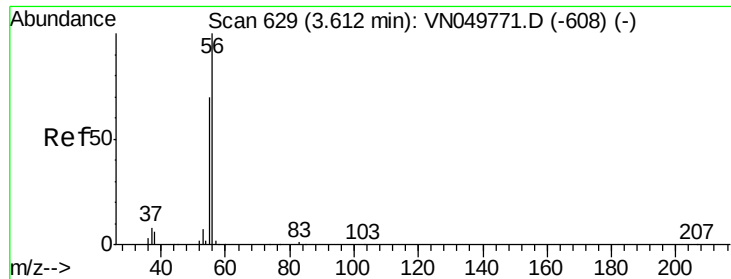
Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.43 ug/l

RT: 3.63 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

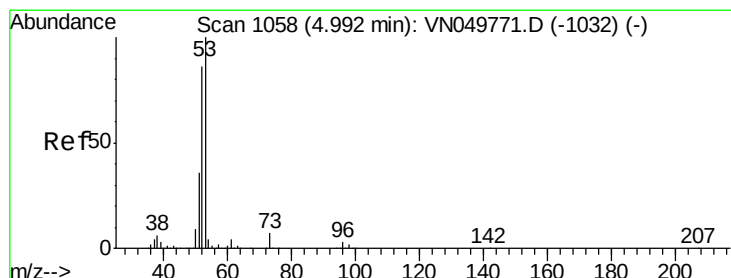
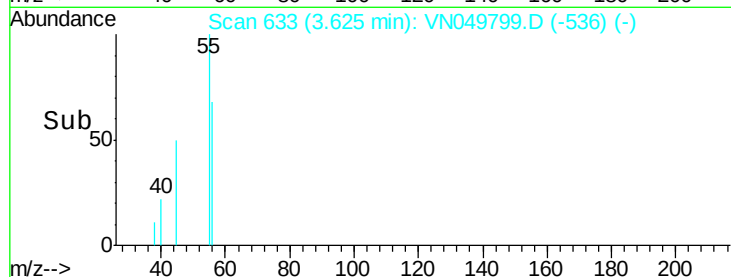
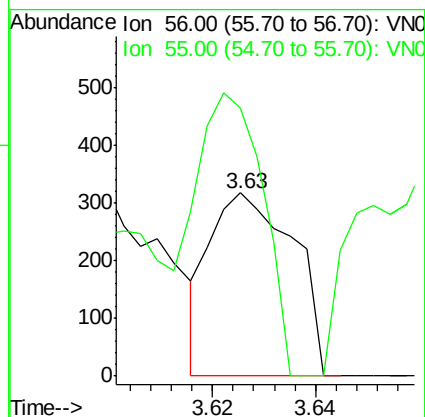
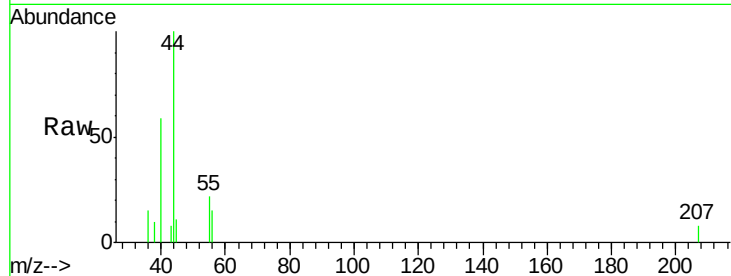
PB111069ZHE#02

Tot Ion: 56 Resp: 354

Ion Ratio Lower Upper

56 100

55 124.3 55.8 83.8#



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 5.00 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

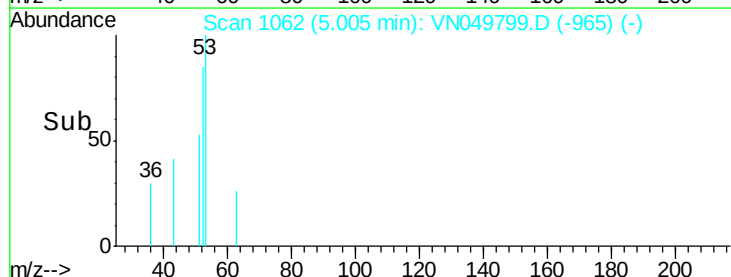
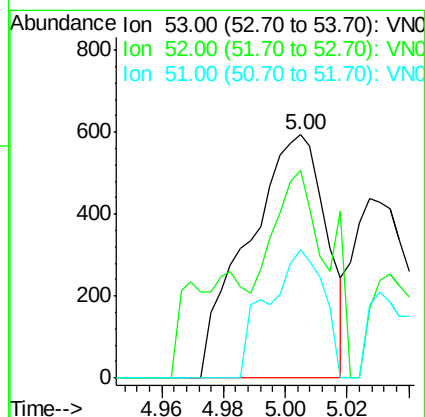
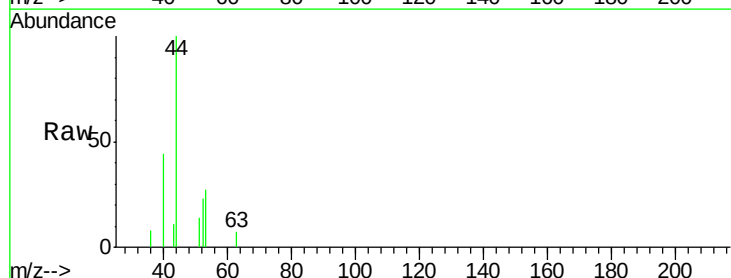
Tgt Ion: 53 Resp: 1046

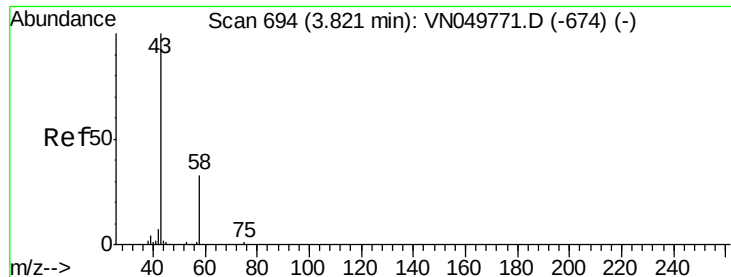
Ion Ratio Lower Upper

53 100

52 62.2 64.8 97.2#

51 37.9 28.9 43.3





#16

Acetone

Concen: 6.12 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

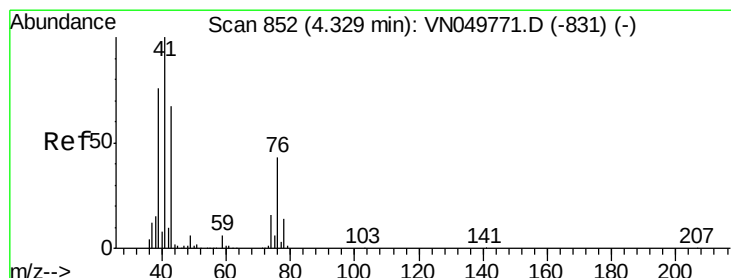
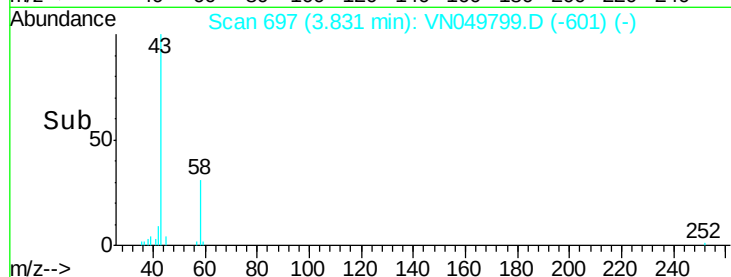
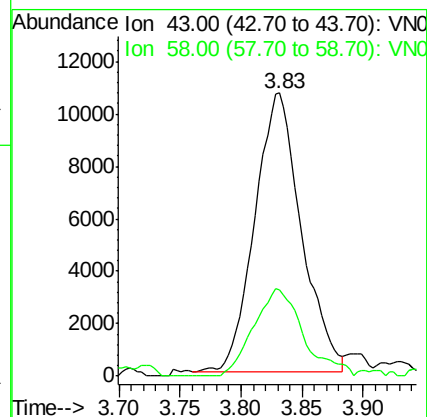
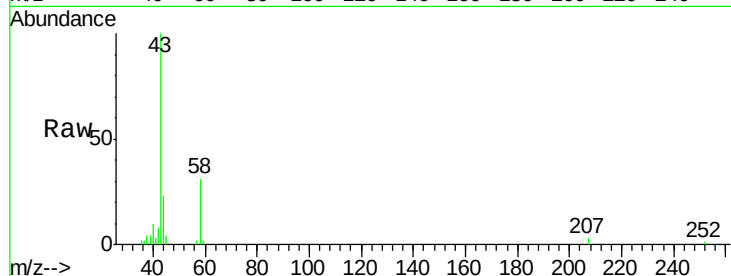
PB111069ZHE#02

Tot Ion: 43 Resp: 28147

Ion Ratio Lower Upper

43 100

58 31.2 25.9 38.9



#18

Methyl Acetate

Concen: 4.40 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049799.D

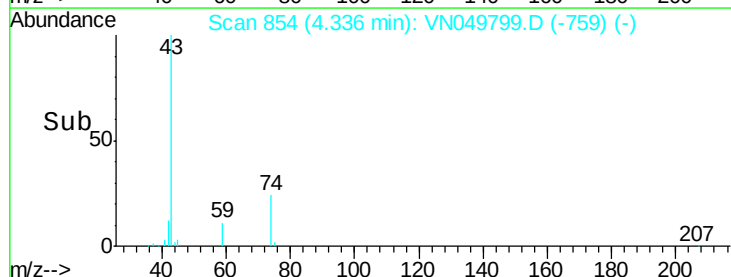
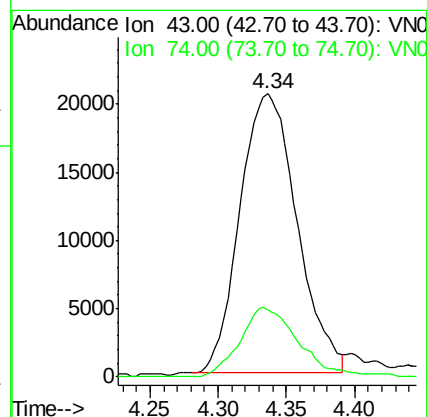
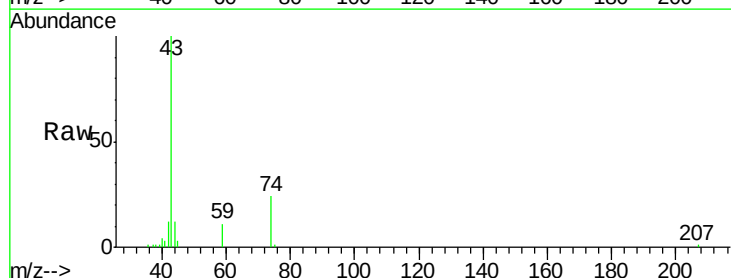
Acq: 13 Jul 2018 16:09

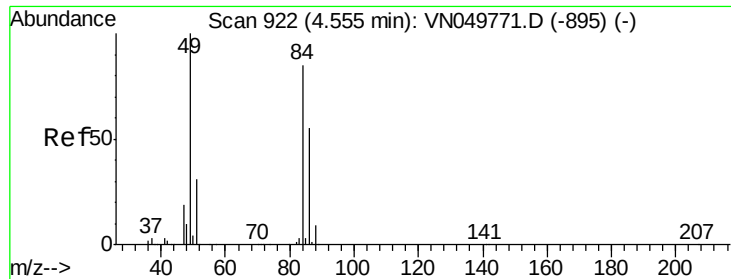
Tgt Ion: 43 Resp: 59489

Ion Ratio Lower Upper

43 100

74 25.2 19.8 29.8

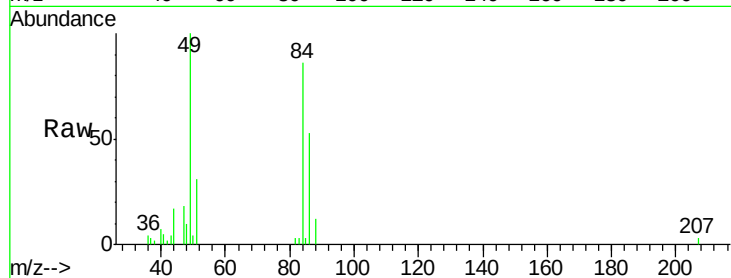




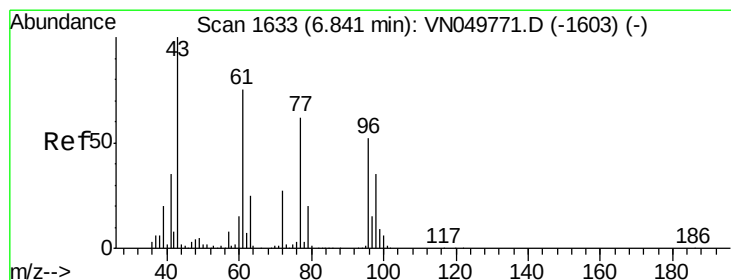
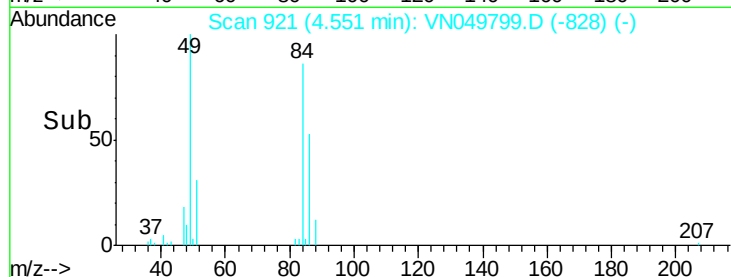
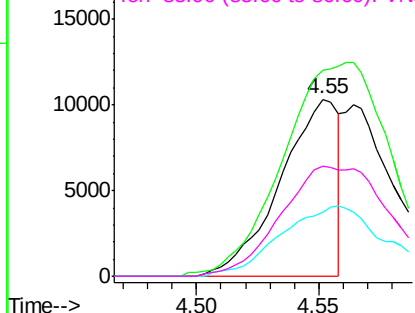
#20
Methvlene Chloride
Concen: 0.26 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#02

Tot Ion:	84	Resp:	16952
Ion	Ratio	Lower	Upper
84	100		
49	114.3	95.4	143.2
51	36.1	28.4	42.6
86	61.9	52.6	79.0

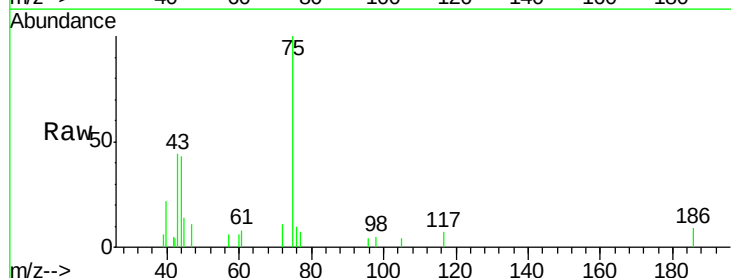


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

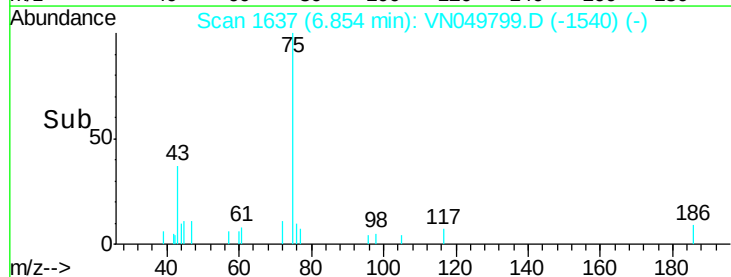
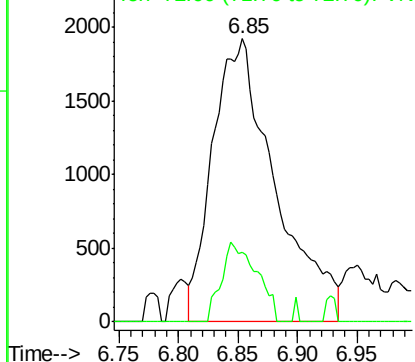


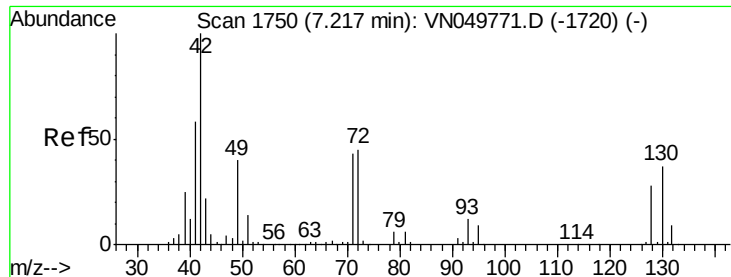
#25
2-Butanone
Concen: 1.28 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Tgt Ion:	43	Resp:	7021
Ion	Ratio	Lower	Upper
43	100		
72	28.0	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: 0.26 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

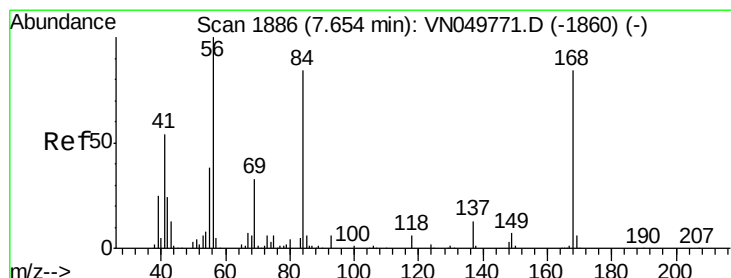
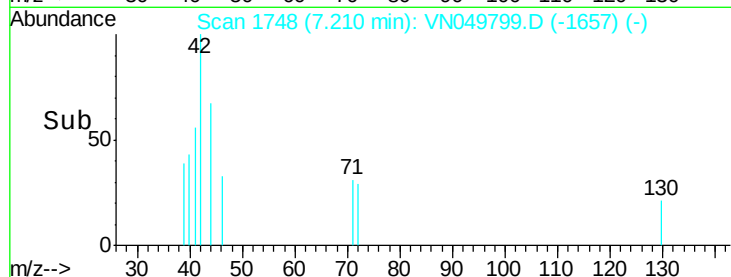
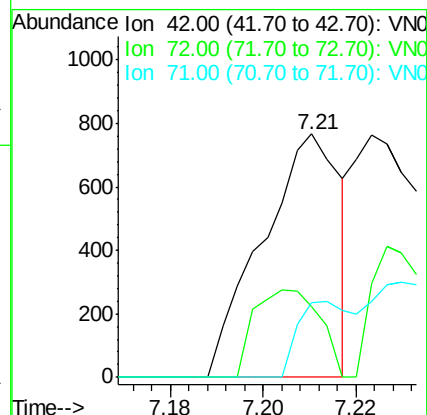
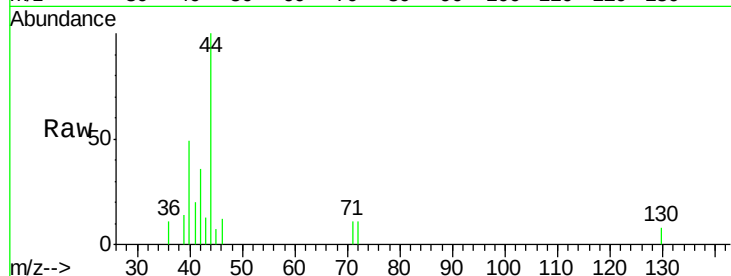
Tot Ion: 42 Resp: 894

Ion Ratio Lower Upper

42 100

72 30.1 35.6 53.4#

71 22.6 34.0 51.0#



#31

Cyclohexane

Concen: 0.76 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

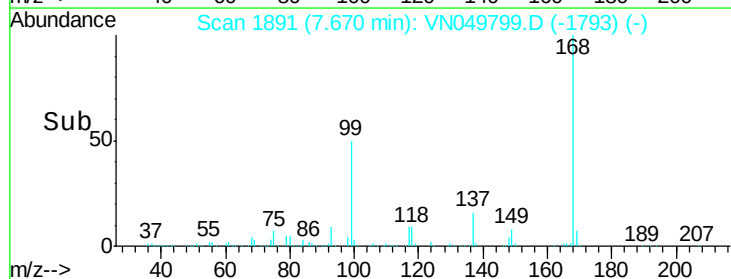
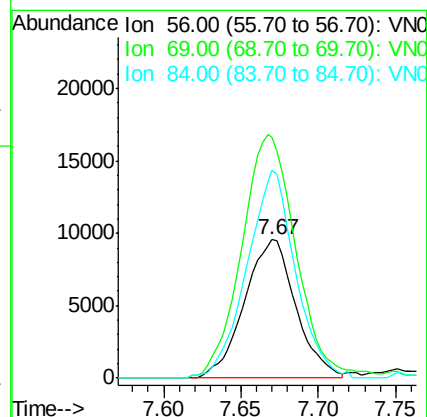
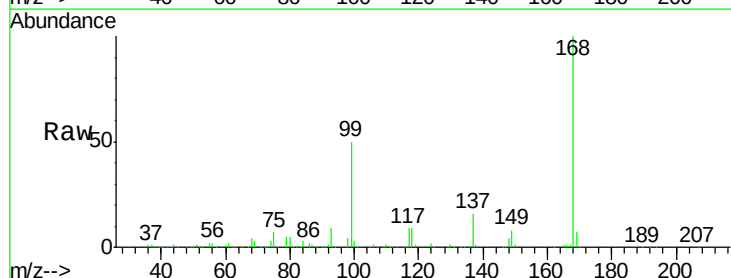
Tgt Ion: 56 Resp: 22119

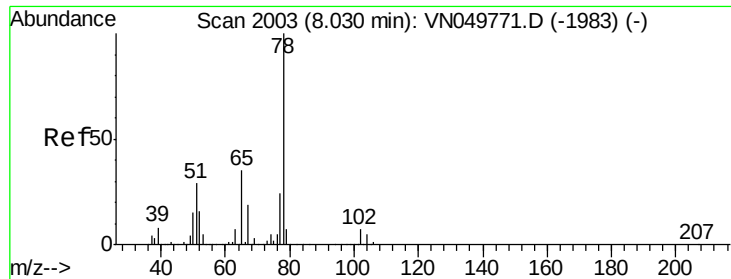
Ion Ratio Lower Upper

56 100

69 172.9 26.6 40.0#

84 148.6 69.0 103.6#

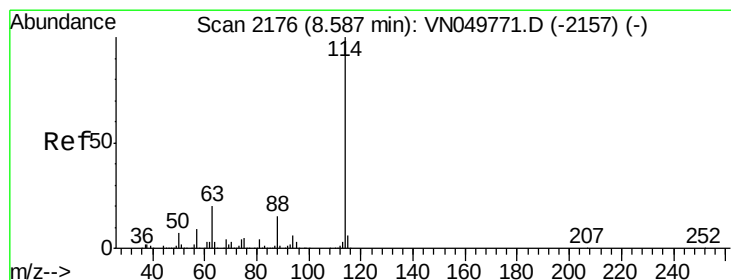
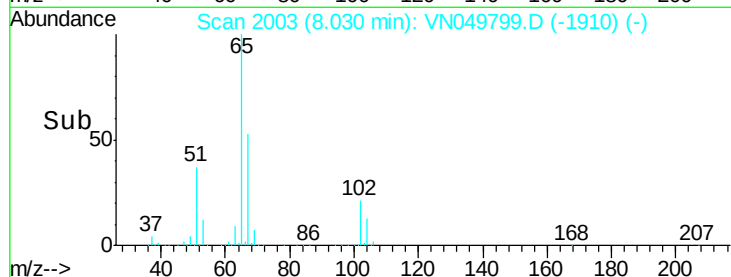
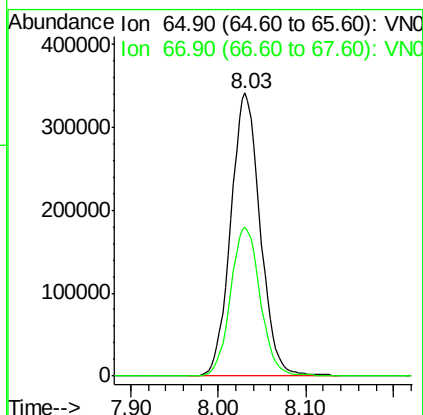
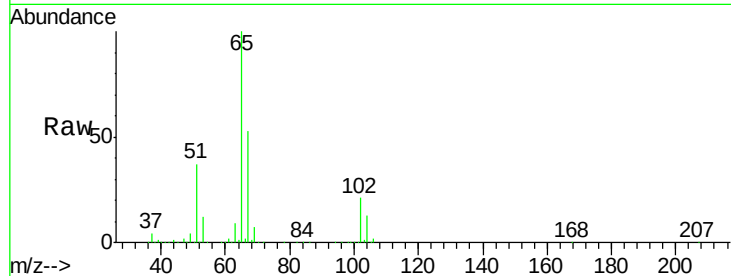




#33
 1,2-Dichloroethane-d4
 Concen: 56.79 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049799.D
 Acq: 13 Jul 2018 16:09

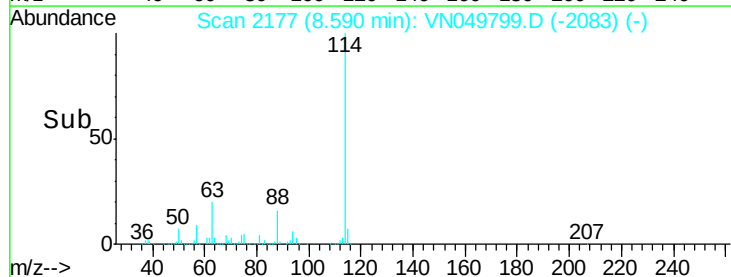
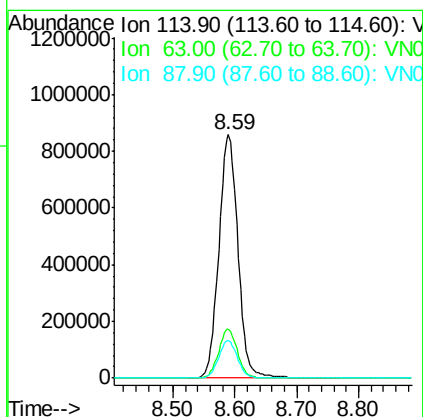
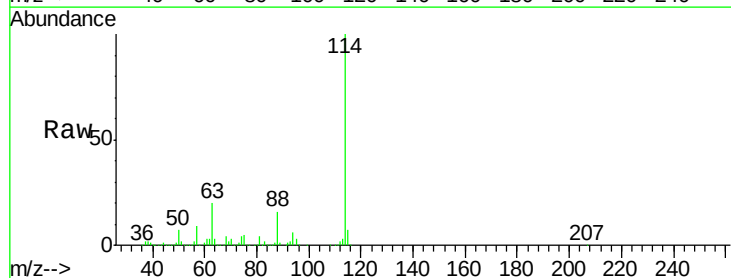
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#02

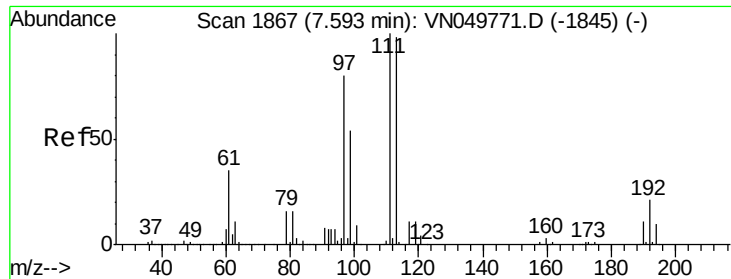
Tot Ion: 65 Resp: 797714
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049799.D
 Acq: 13 Jul 2018 16:09

Tgt Ion: 114 Resp: 1842793
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.6 0.0 30.6

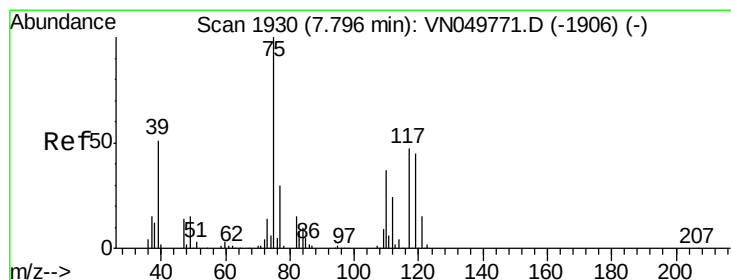
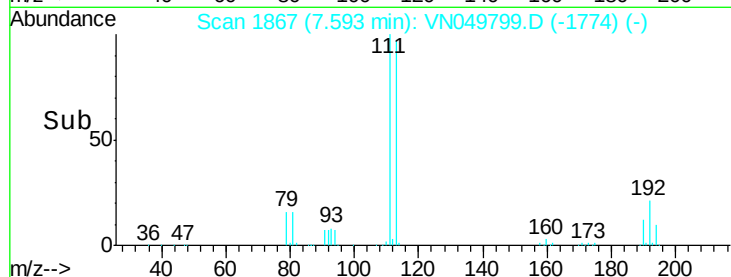
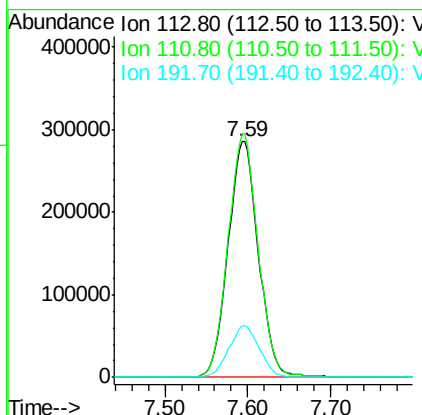
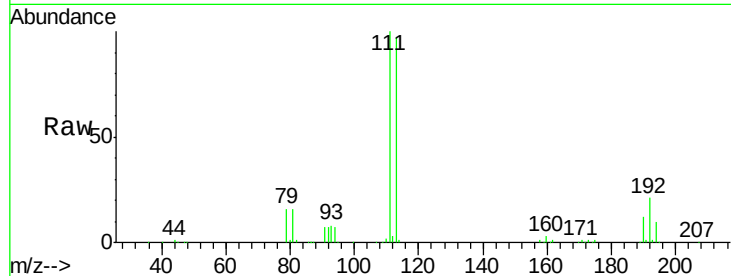




#35
 Dibromofluoromethane
 Concen: 52.34 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049799.D
 Acq: 13 Jul 2018 16:09

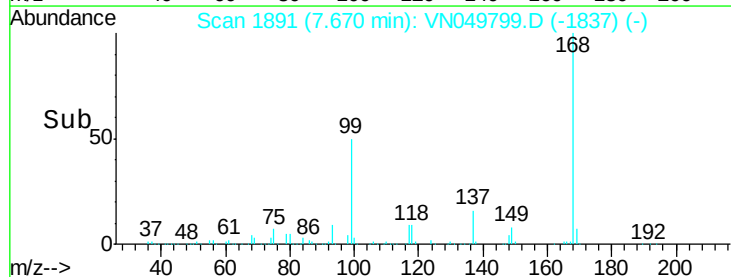
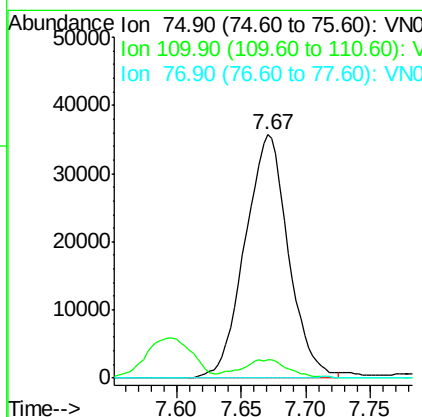
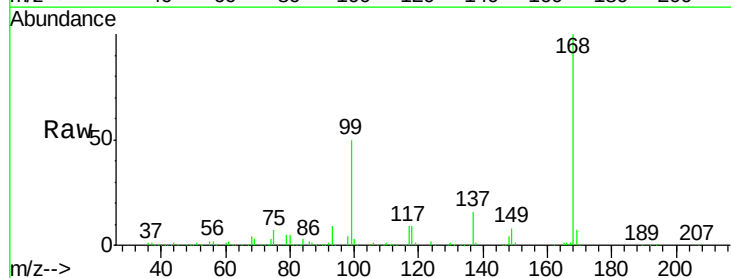
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#02

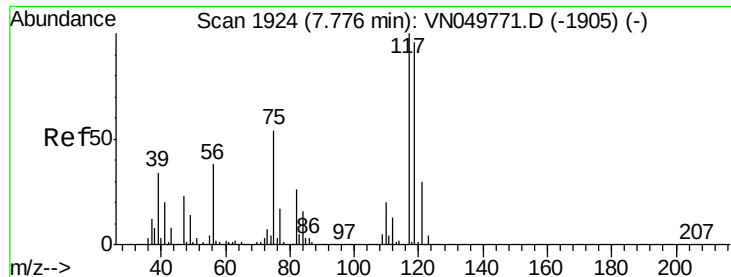
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	22.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.94 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN049799.D
 Acq: 13 Jul 2018 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	24.9	37.3#

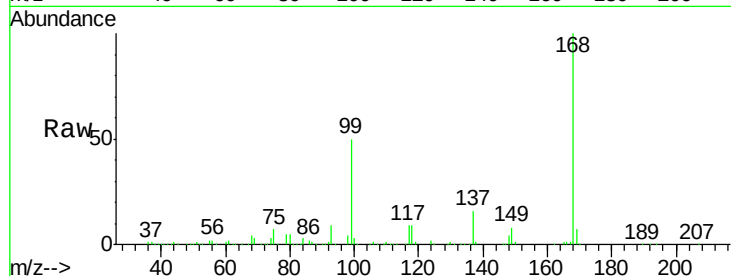




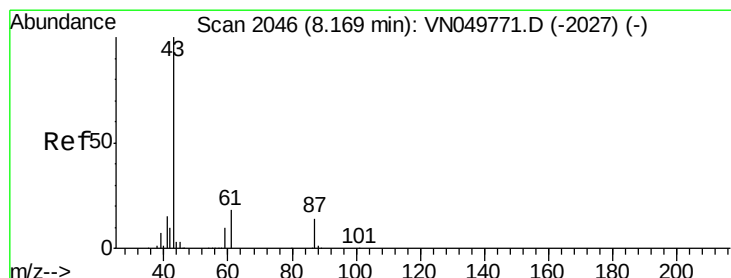
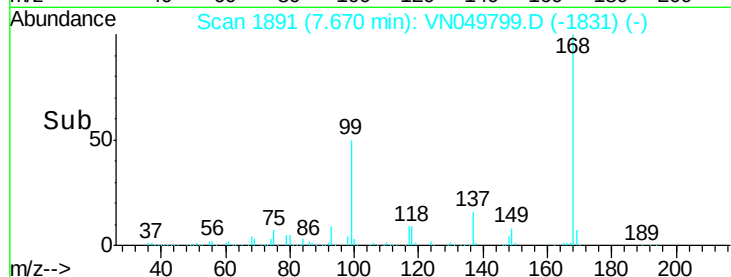
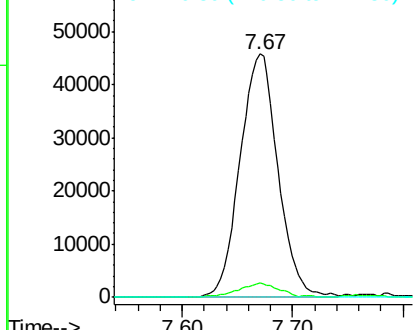
#38
Carbon Tetrachloride
Concen: 4.92 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#02

Tot Ion:117 Resp: 109149
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#

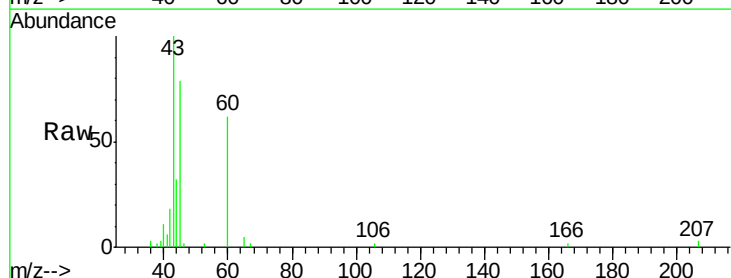


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

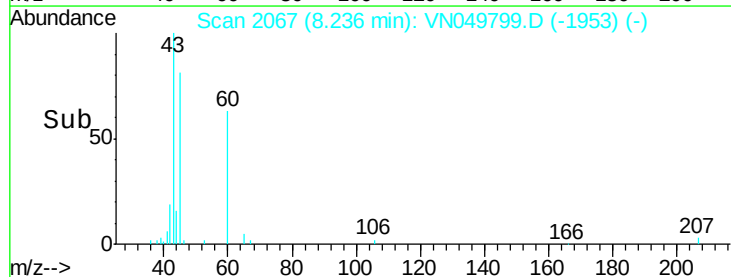
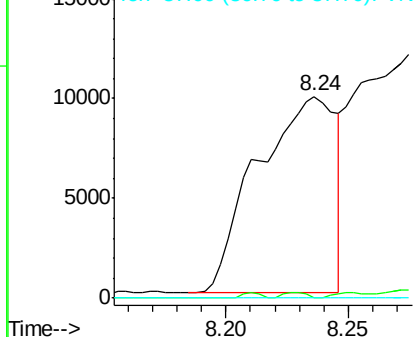


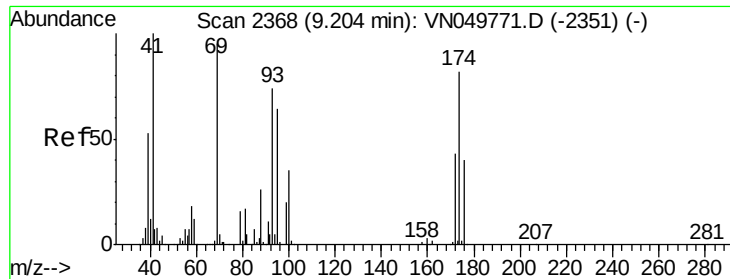
#43
Isopropyl Acetate
Concen: 0.98 ug/l
RT: 8.24 min Scan# 2067
Delta R.T. 0.07 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Tgt Ion: 43 Resp: 22097
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#



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

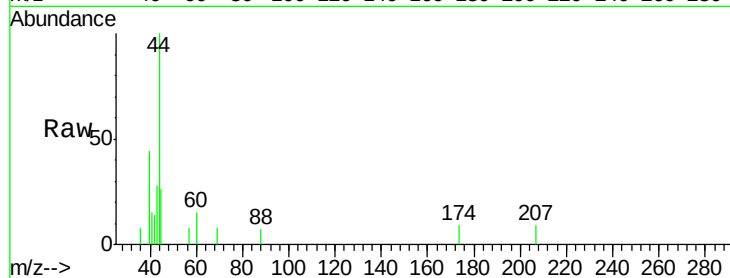




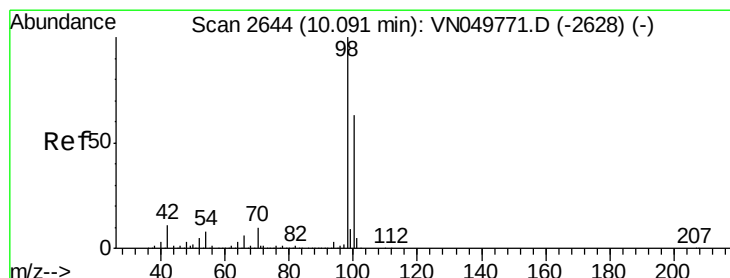
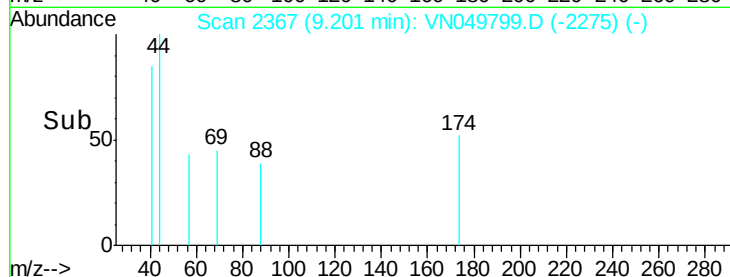
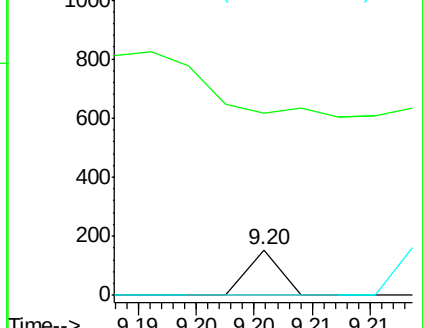
#49
1,4-Dioxane
Concen: 0.20 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#02

Tot Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 760.0 25.1 37.7#
58 0.0 52.5 78.7#

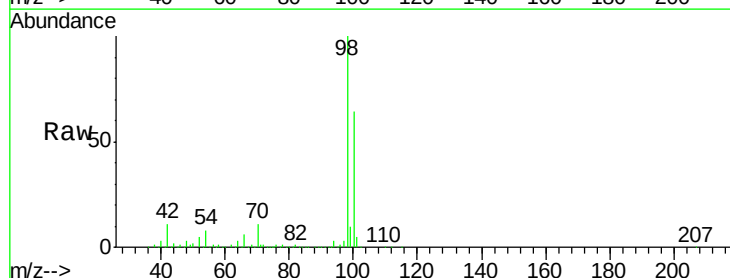


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

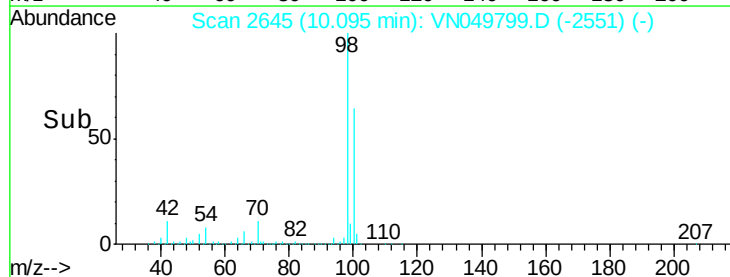
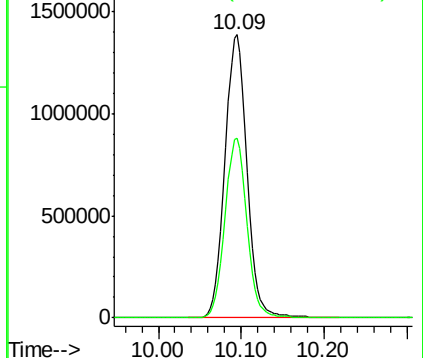


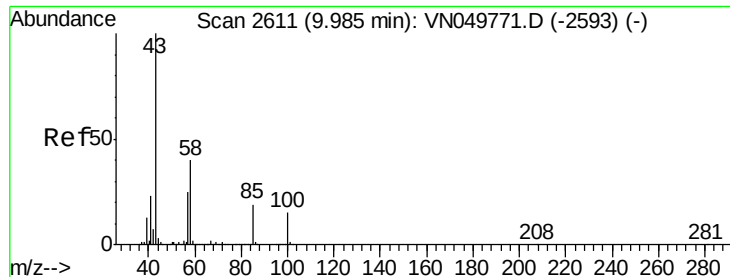
#50
Toluene-d8
Concen: 53.93 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Tgt Ion: 98 Resp: 2564275
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

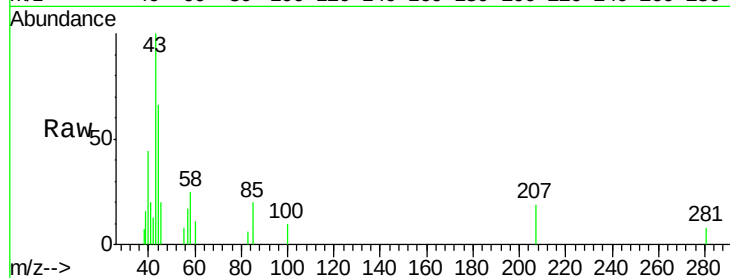
PB111069ZHE#02

Tot Ion: 43 Resp: 3559

Ion Ratio Lower Upper

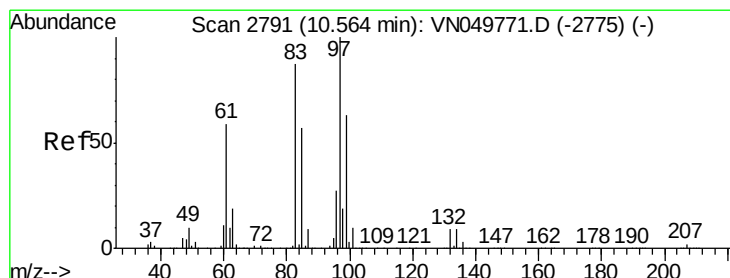
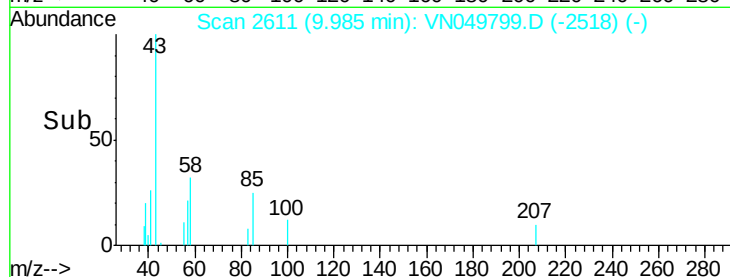
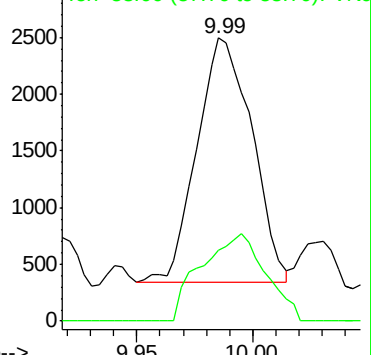
43 100

58 41.8 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: 10.56 min Scan# 2789

Delta R.T. -0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Tgt Ion: 97 Resp: 1180

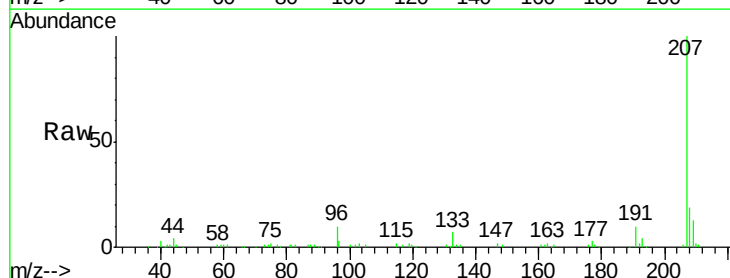
Ion Ratio Lower Upper

97 100

83 16.9 69.0 103.6#

85 0.0 44.9 67.3#

99 0.0 49.8 74.6#

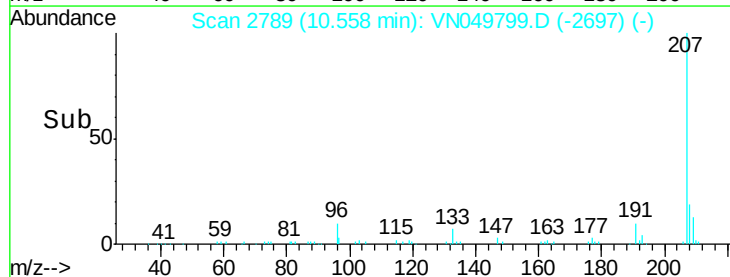
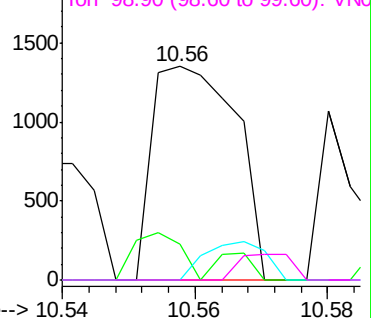


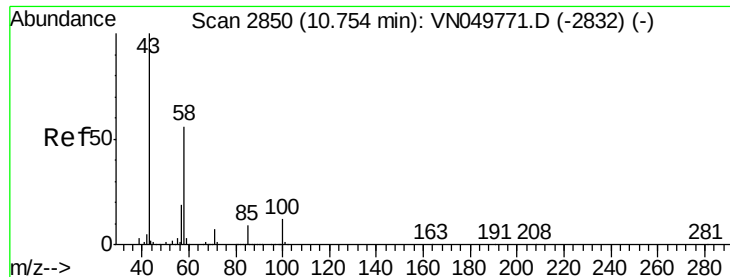
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#59

2-Hexanone

Concen: 0.45 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

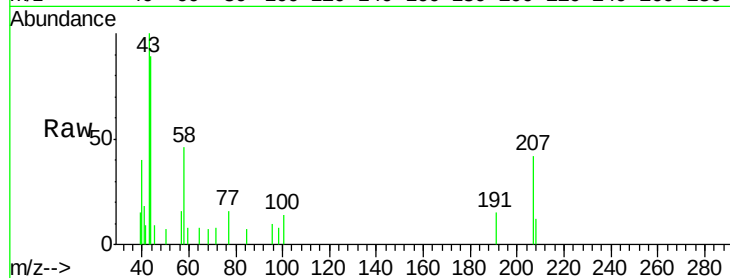
PB111069ZHE#02

Tot Ion: 43 Resp: 3671

Ion Ratio Lower Upper

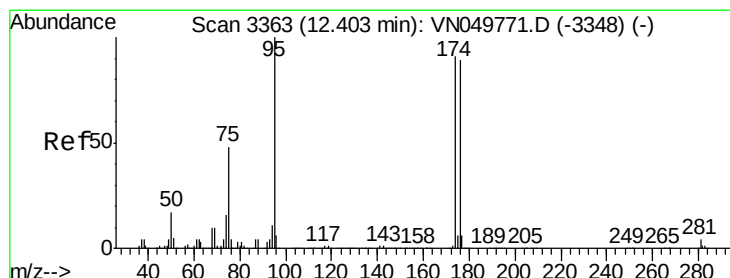
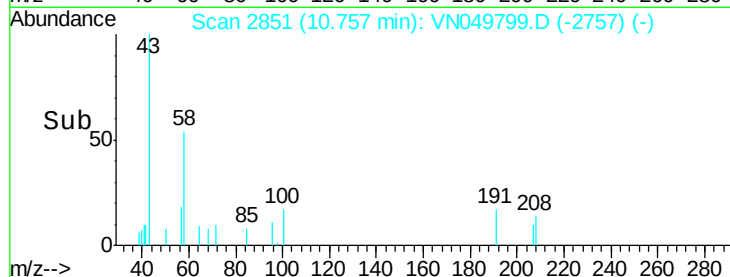
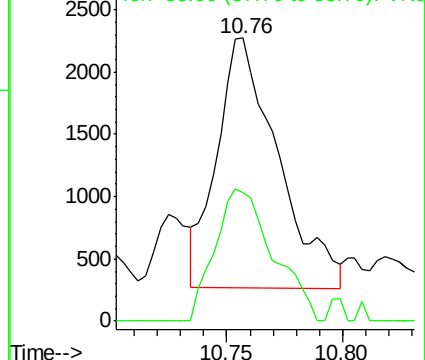
43 100

58 50.4 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 41.87 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

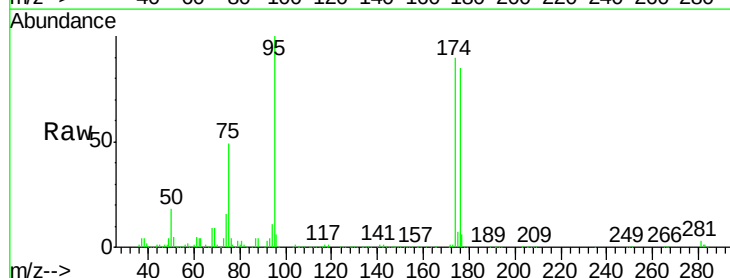
Tgt Ion: 95 Resp: 711006

Ion Ratio Lower Upper

95 100

174 91.0 0.0 179.6

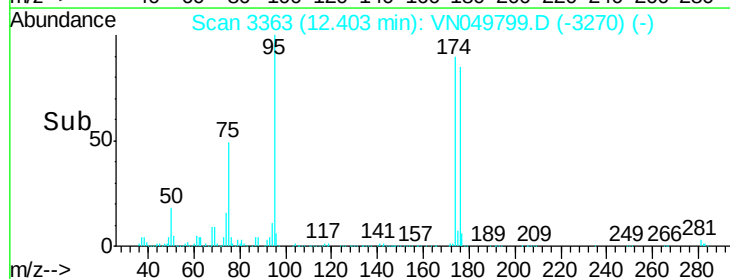
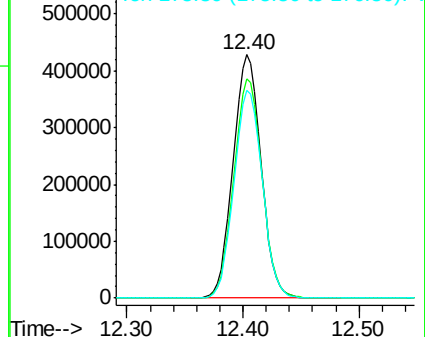
176 86.2 0.0 174.0

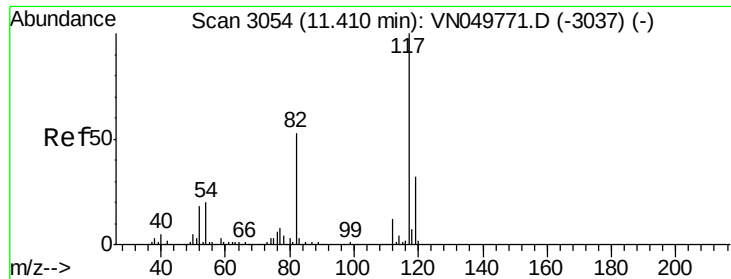


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

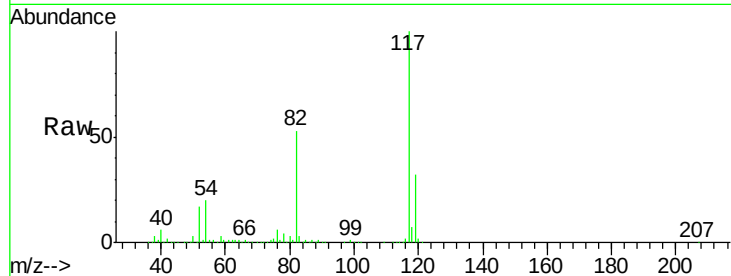




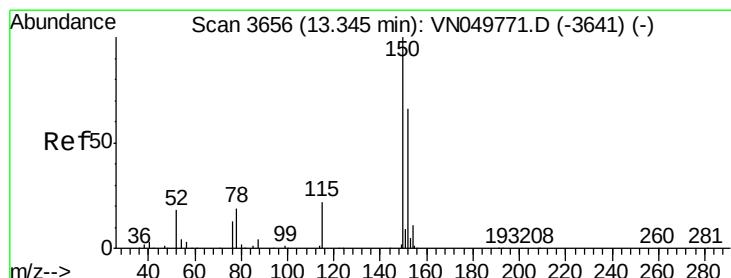
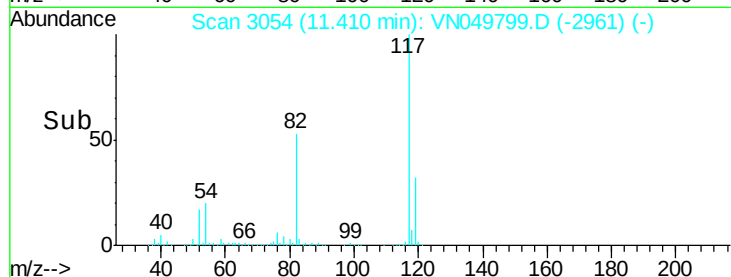
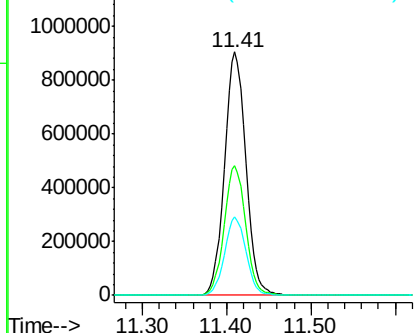
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#02

Tot Ion:117 Resp: 1586690
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.2 25.4 38.2

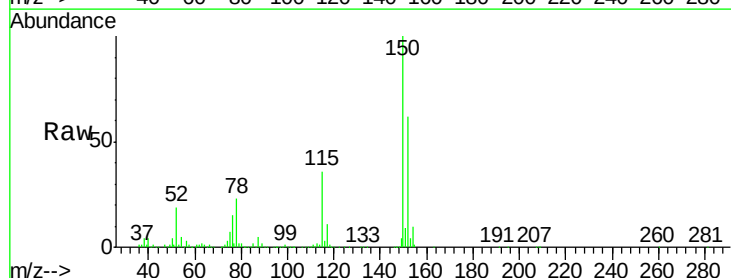


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

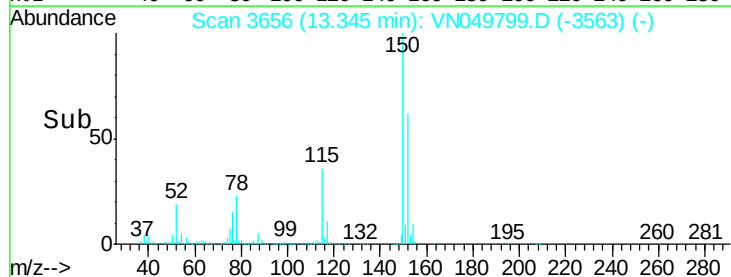
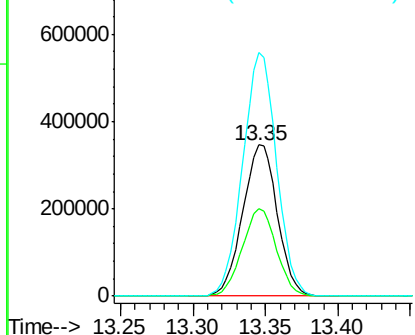


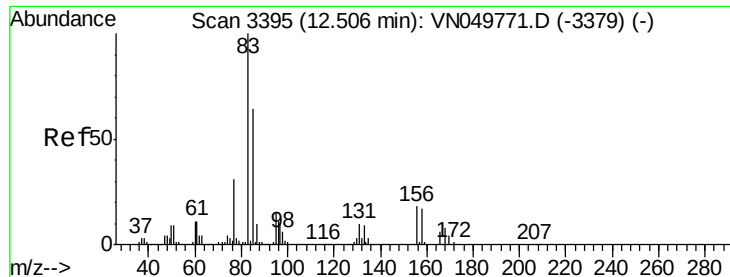
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049799.D
Acq: 13 Jul 2018 16:09

Tgt Ion:152 Resp: 574320
Ion Ratio Lower Upper
152 100
115 57.1 28.1 84.2
150 157.6 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# 3394

Delta R.T. -0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

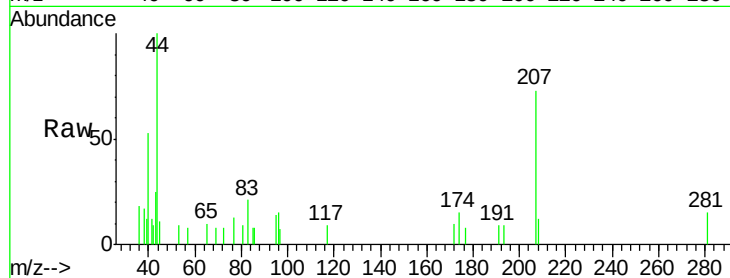
Tot Ion: 83 Resp: 434

Ion Ratio Lower Upper

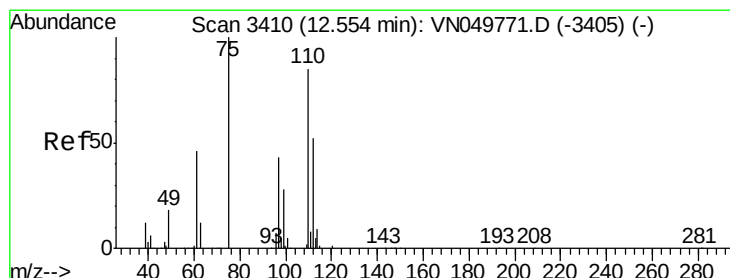
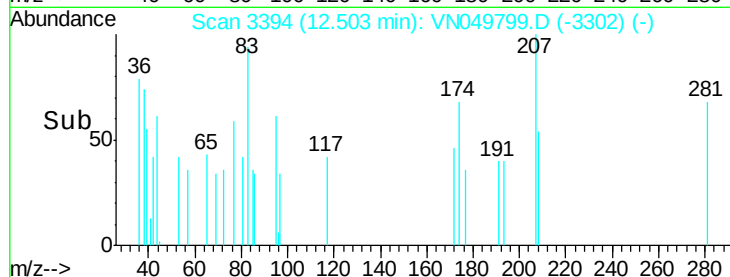
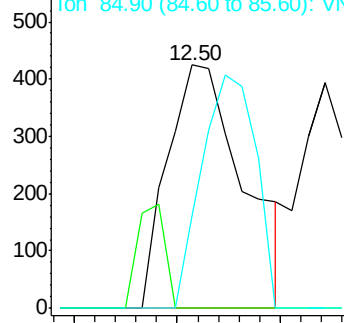
83 100

131 15.4 5.2 15.6

85 68.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049771.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 34.19 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049799.D

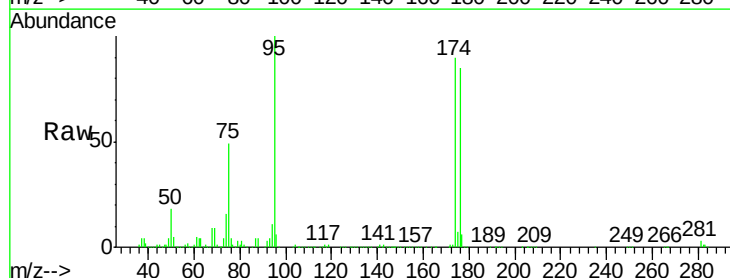
Acq: 13 Jul 2018 16:09

Tgt Ion: 75 Resp: 348856

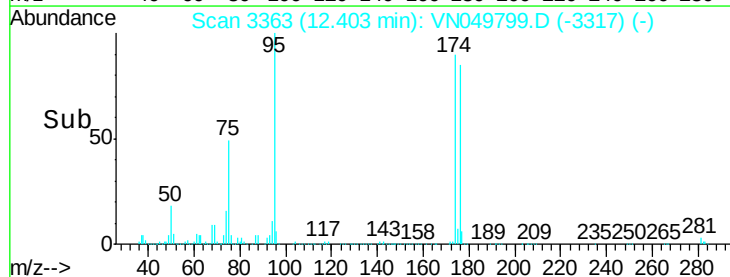
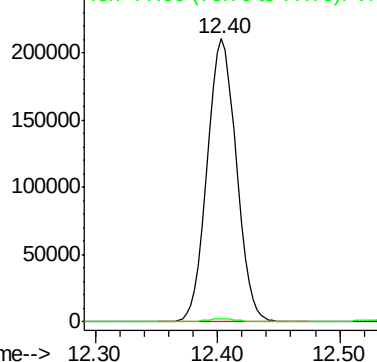
Ion Ratio Lower Upper

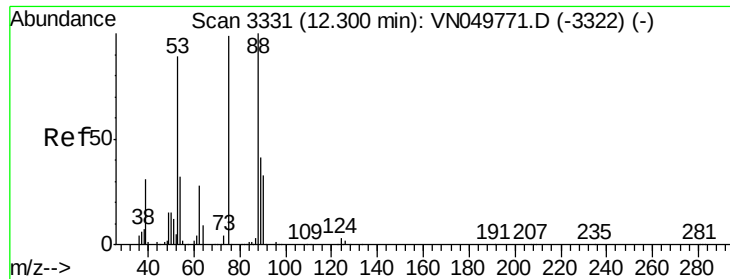
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049799.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 110.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

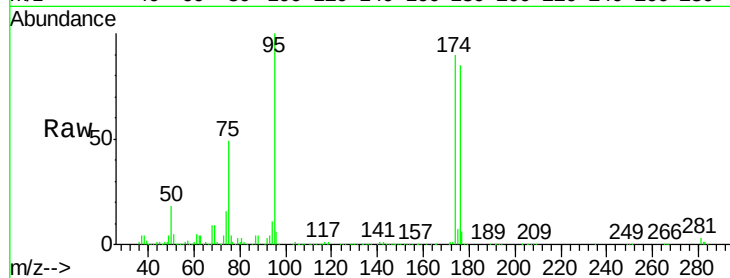
Tot Ion: 75 Resp: 348856

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

89 0.1 35.9 53.9#

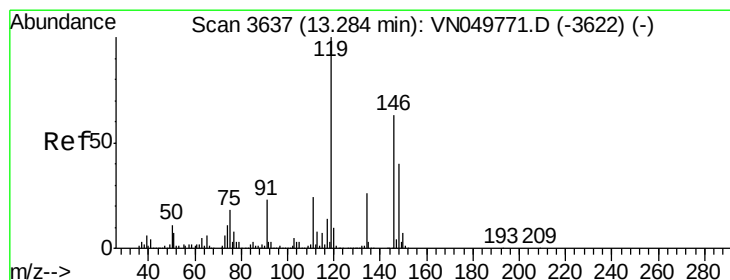
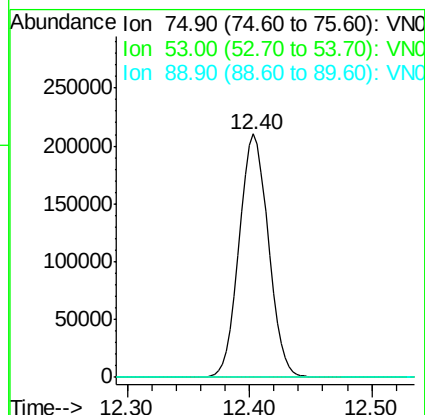
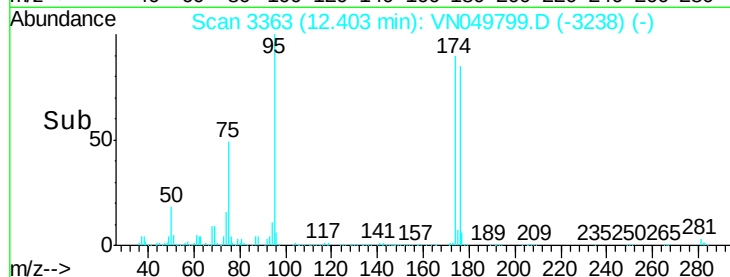


Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN049771.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN049771.D (-3322) (-)

Time--> 12.30 12.40 12.50



#87

1,3-Dichlorobenzene

Concen: 0.20 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

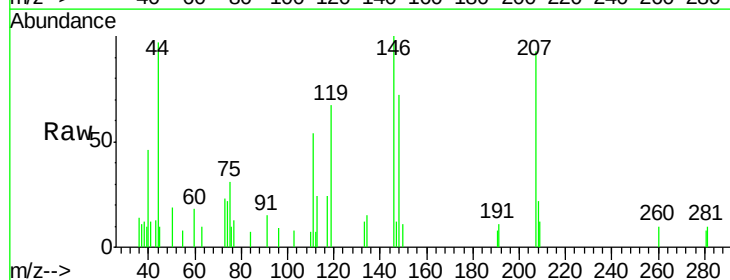
Tgt Ion: 146 Resp: 4483

Ion Ratio Lower Upper

146 100

111 42.1 19.0 57.0

148 64.8 32.5 97.5

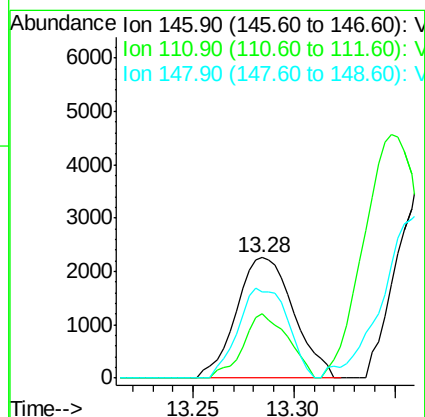
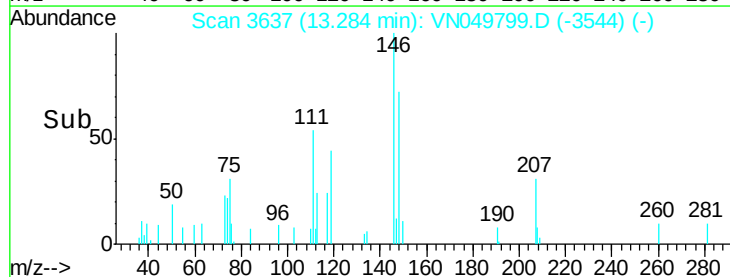


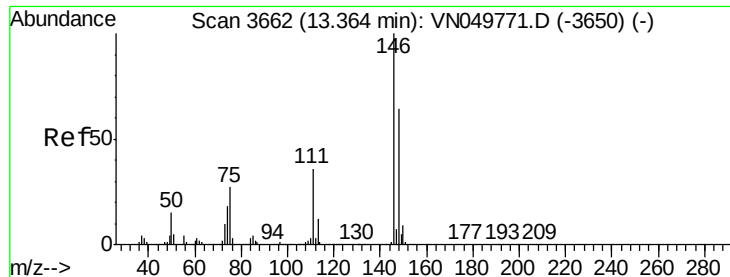
Abundance Ion 145.90 (145.60 to 146.60): VN049771.D (-3622) (-)

Ion 110.90 (110.60 to 111.60): VN049771.D (-3622) (-)

Ion 147.90 (147.60 to 148.60): VN049771.D (-3622) (-)

Time--> 13.25 13.30





#88

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.08 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

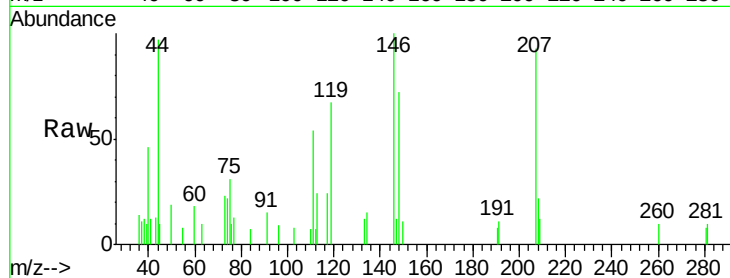
Tot Ion:146 Resp: 4483

Ion Ratio Lower Upper

146 100

111 42.1 18.9 56.5

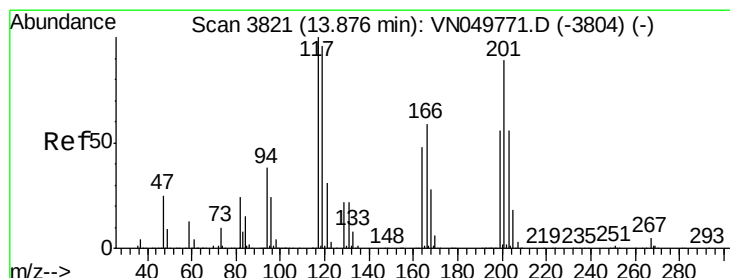
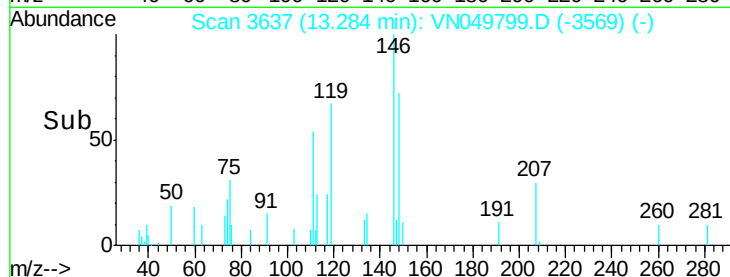
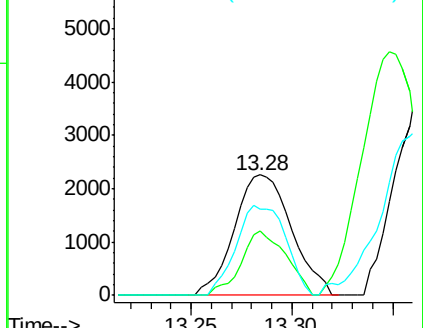
148 64.8 32.1 96.3



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



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3818

Delta R.T. -0.01 min

Lab File: VN049799.D

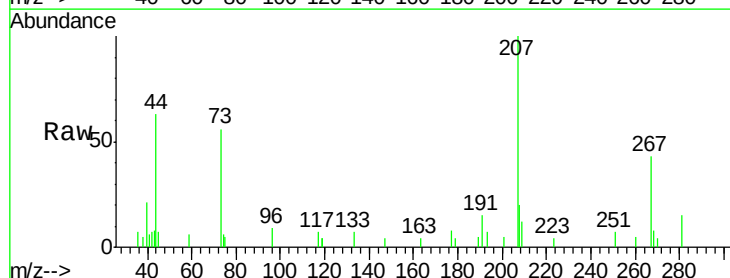
Acq: 13 Jul 2018 16:09

Tgt Ion:117 Resp: 225

Ion Ratio Lower Upper

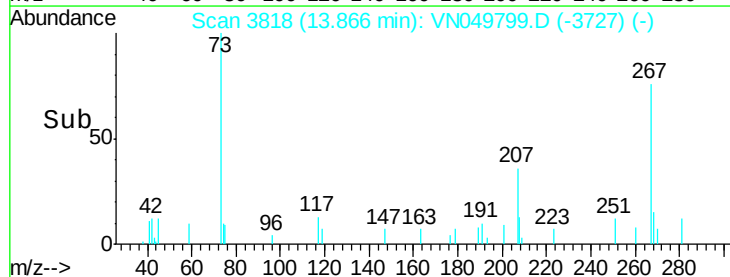
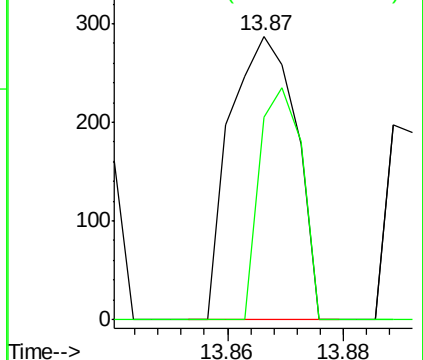
117 100

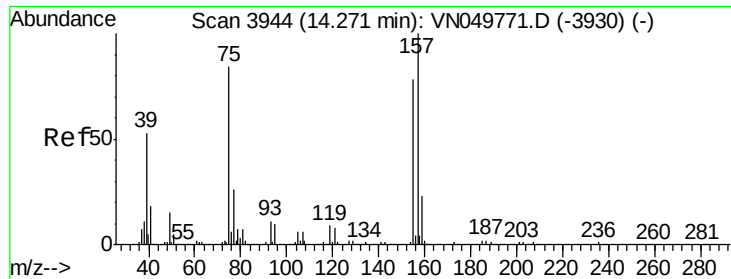
201 53.3 45.3 135.8



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: 0.31 ug/l

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

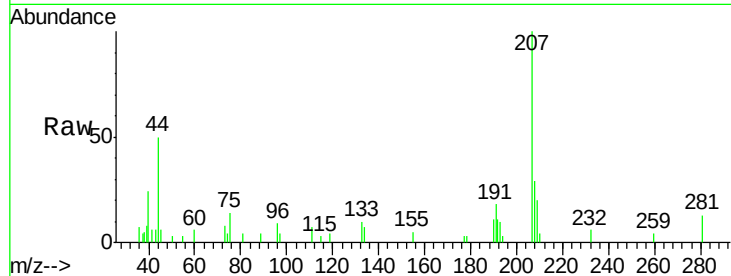
Tot Ion: 75 Resp: 1350

Ion Ratio Lower Upper

75 100

155 22.3 45.7 137.1#

157 12.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN049771.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN049771.D (-3930) (-)

14.26

600

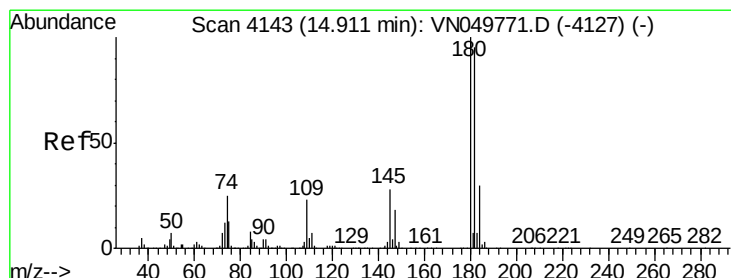
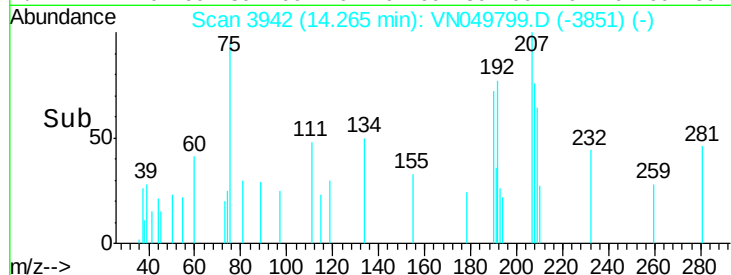
400

200

0

14.20 14.25 14.30

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.39 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

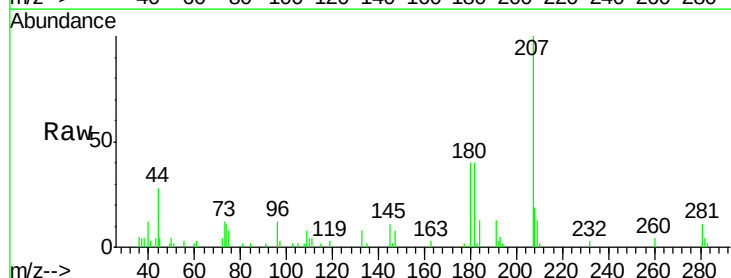
Tgt Ion: 180 Resp: 6196

Ion Ratio Lower Upper

180 100

182 97.1 47.3 141.9

145 26.9 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): VN049771.D (-4127) (-)

Ion 181.80 (181.50 to 182.50): VN049771.D (-4127) (-)

Ion 144.80 (144.50 to 145.50): VN049771.D (-4127) (-)

14.91

5000

4000

3000

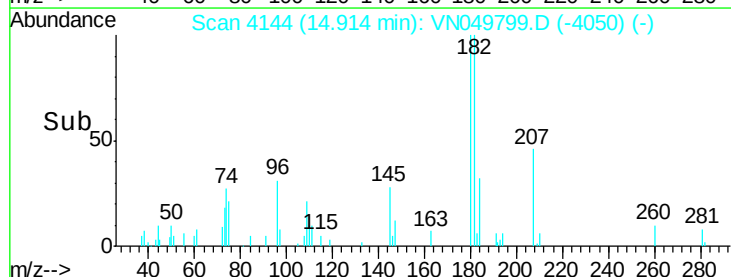
2000

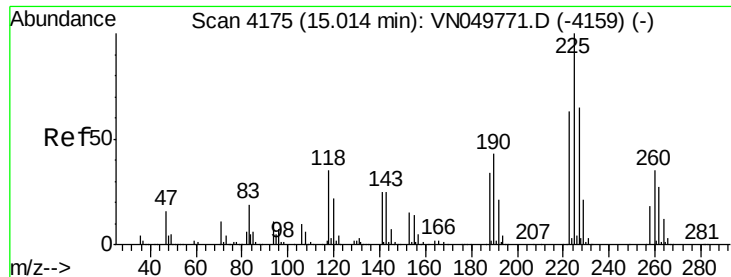
1000

0

14.85 14.90 14.95

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

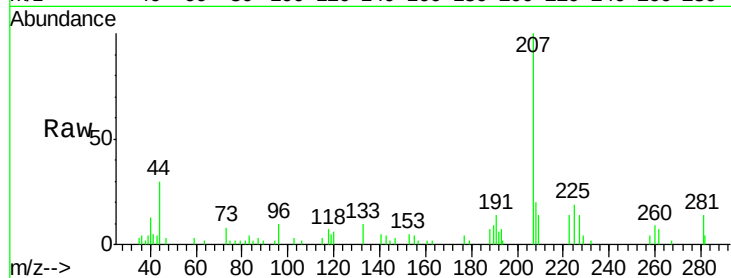
Tot Ion:225 Resp: 2461

Ion Ratio Lower Upper

225 100

223 73.9 30.9 92.7

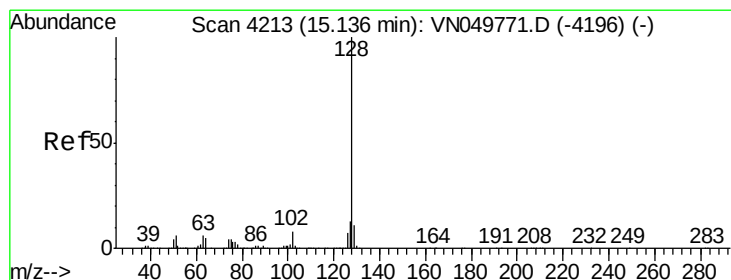
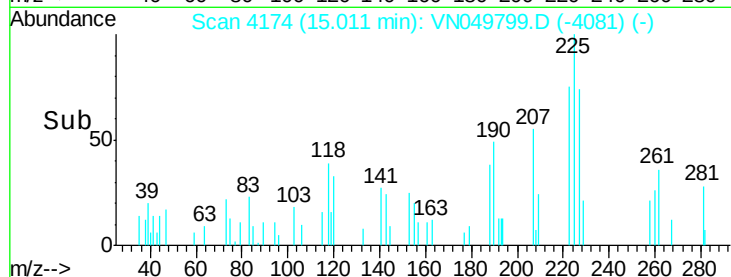
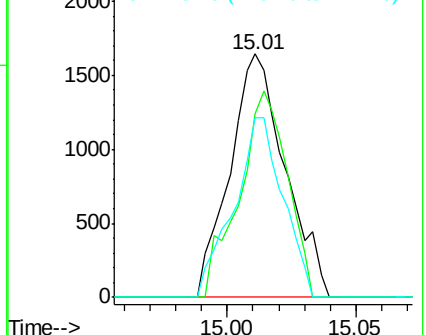
227 65.7 31.8 95.4



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: 4.59 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

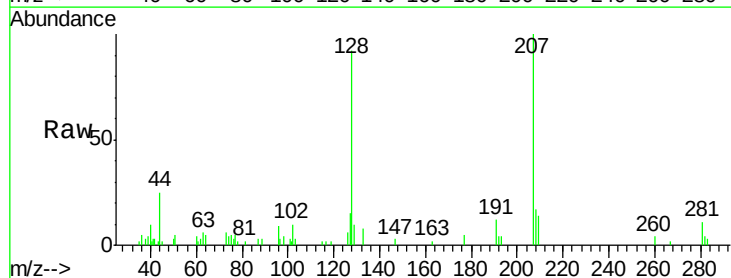
Tgt Ion:128 Resp: 15527

Ion Ratio Lower Upper

128 100

127 14.4 10.4 15.6

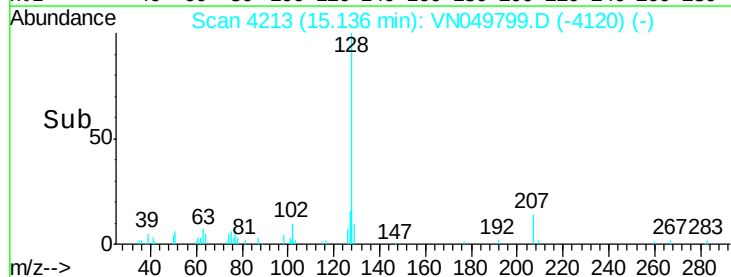
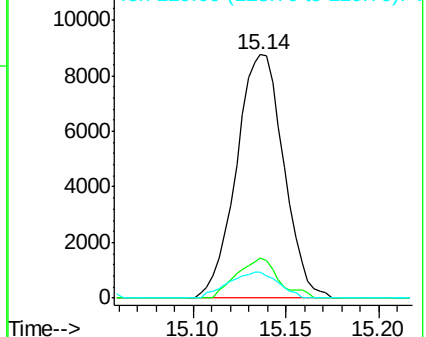
129 11.2 8.6 13.0

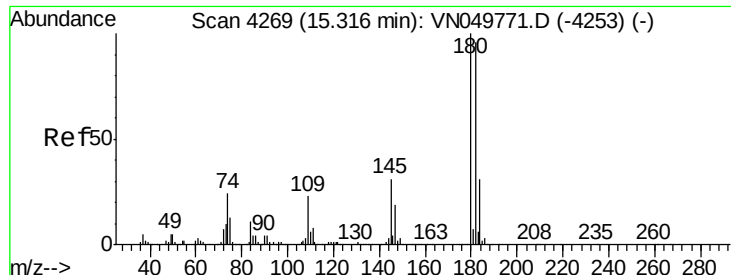


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.62 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049799.D

Acq: 13 Jul 2018 16:09

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#02

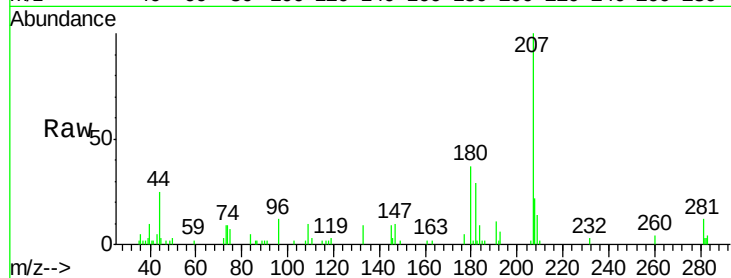
Tot Ion:180 Resp: 6472

Ion Ratio Lower Upper

180 100

182 88.5 47.4 142.2

145 30.7 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

