

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050797.D
 Acq On : 21 Aug 2018 22:11
 Operator : MD\SY
 Sample : PB112227ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112227ZHE#03

Quant Time: Aug 22 06:44:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	643234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1011471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	889068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	417030	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.59	113	395230	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1419551	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
62) 4-Bromofluorobenzene	12.40	95	381524	38.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.32%	

Target Compounds

					Qvalue	
3) Chloromethane	2.06	50	3111	0.293	ug/l	91
5) Bromomethane	2.57	94	4427	Below Cal		84
10) Methyl Iodide	3.96	142	2068	6.596	ug/l #	64
13) Acrolein	3.63	56	65	18.123	ug/l #	14
16) Acetone	3.83	43	19902	3.899	ug/l	97
17) Carbon Disulfide	4.05	76	7230	0.299	ug/l	96
18) Methyl Acetate	4.33	43	8592	1.175	ug/l	91
20) Methylene Chloride	4.55	84	34771	3.984	ug/l	97
25) 2-Butanone	6.86	43	3265	1.046	ug/l	95
29) Tetrahydrofuran	7.22	42	724	0.405	ug/l #	44
31) Cyclohexane	7.67	56	11236	1.311	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43110	3.612	ug/l #	48
37) Ethyl Acetate	6.86	43	3265	0.476	ug/l #	67
38) Carbon Tetrachloride	7.67	117	57564	4.771	ug/l #	16
43) Isopropyl Acetate	8.17	43	245842	20.854	ug/l	99
48) Methyl methacrylate	9.18	41	7491	1.247	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	3437	0.489	ug/l	89
56) Ethyl methacrylate	10.29	69	95	2.359	ug/l #	1
59) 2-Hexanone	10.77	43	18416	3.932	ug/l #	60
70) Styrene	11.96	104	1654	1.336	ug/l #	79
71) Bromoform	12.40	173	2474	0.423	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	359	Below Cal	#	58
76) 1,2,3-Trichloropropane	12.40	75	179331	34.834	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4519	0.230	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	179331	117.759	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	2526	0.225	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	2526	0.229	ug/l	95
90) Hexachloroethane	13.87	117	137	0.222	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	2514	0.232	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	2696	4.522	ug/l	91
94) Hexachlorobutadiene	15.01	225	1616	Below Cal		91
95) Naphthalene	15.13	128	7431	5.964	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	3604	3.934	ug/l	95

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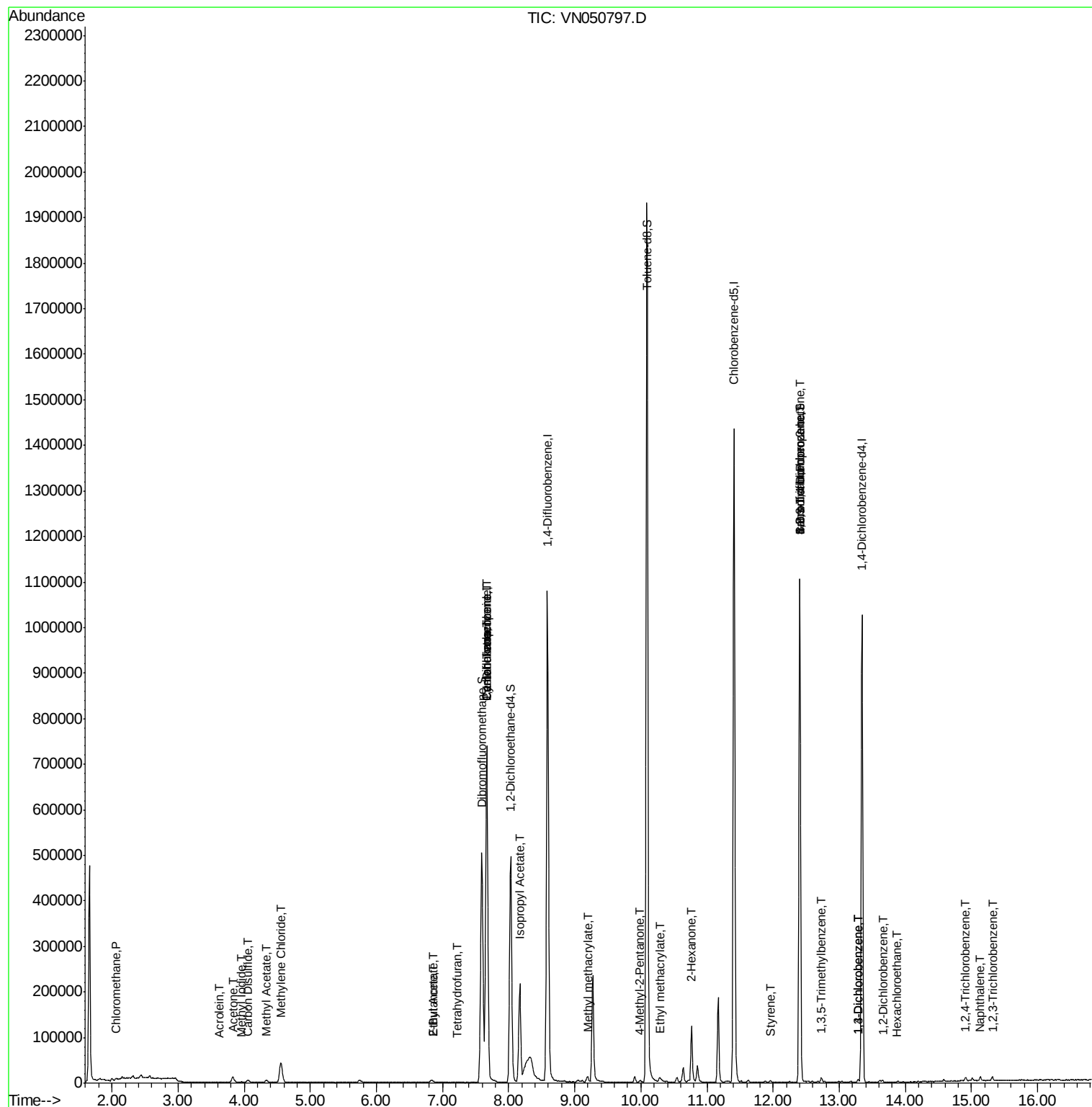
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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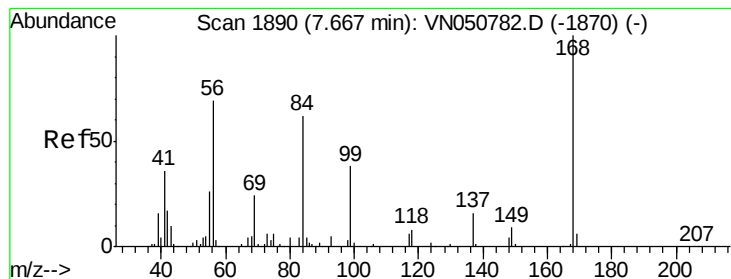
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082118\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

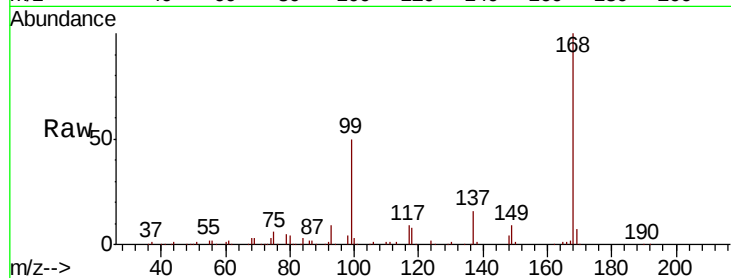
PB112227ZHE#03

Tot Ion:168 Resp: 643234

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

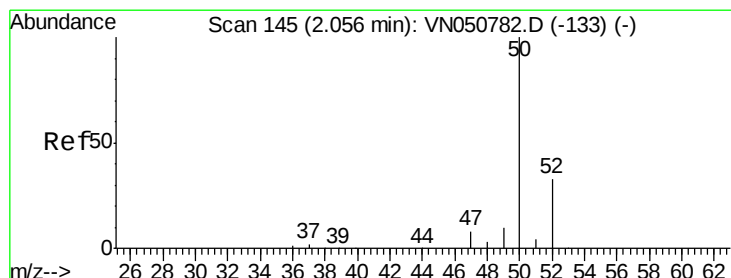
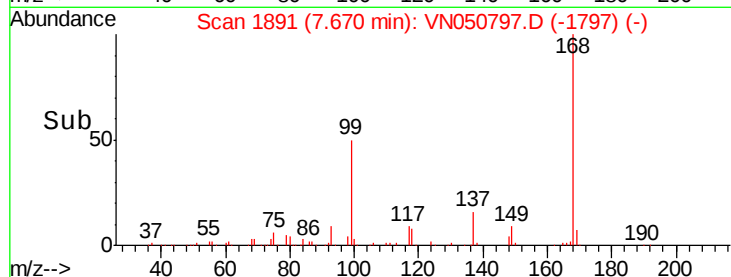
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.293 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050797.D

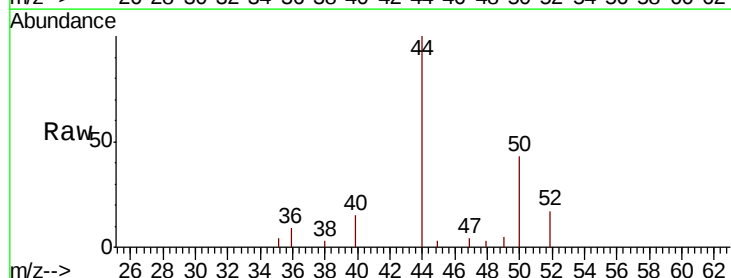
Acq: 21 Aug 2018 22:11

Tgt Ion: 50 Resp: 3111

Ion Ratio Lower Upper

50 100

52 38.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

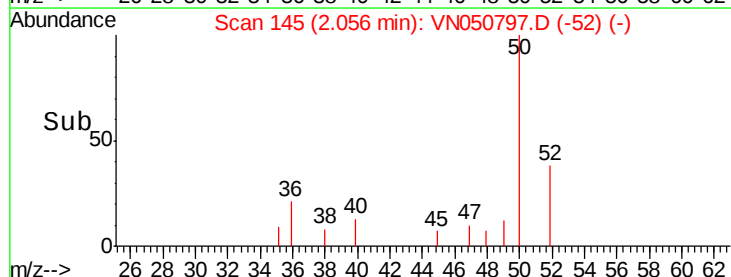
1500

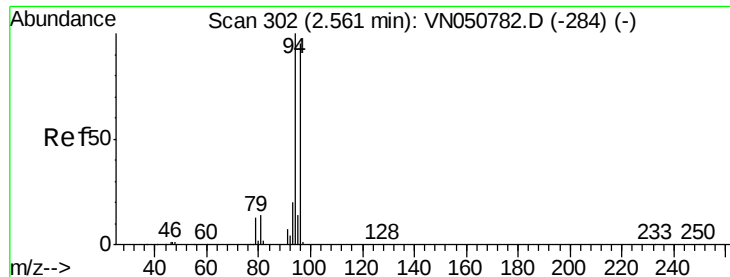
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

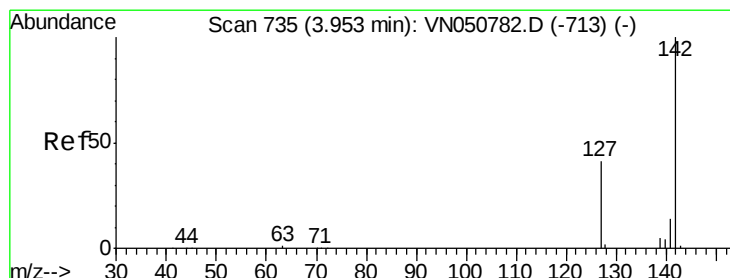
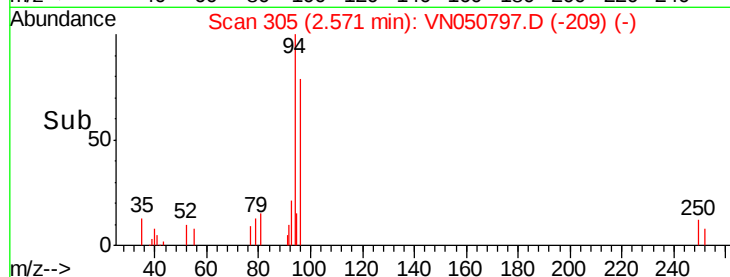
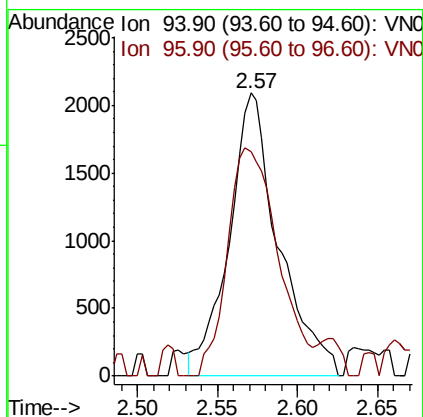
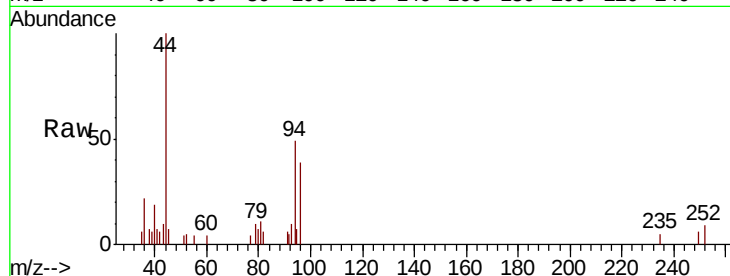
PB112227ZHE#03

Tot Ion: 94 Resp: 4427

Ion Ratio Lower Upper

94 100

96 79.5 76.2 114.2



#10

Methyl Iodide

Concen: 6.596 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.01 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

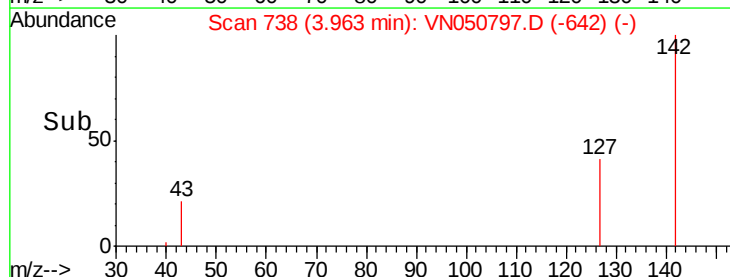
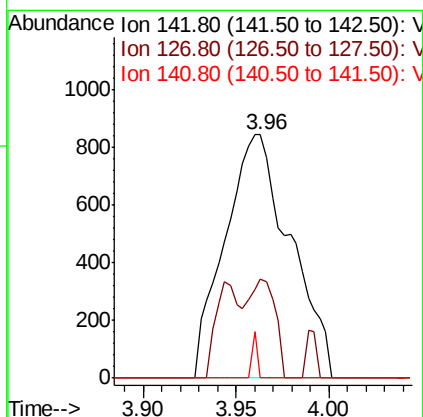
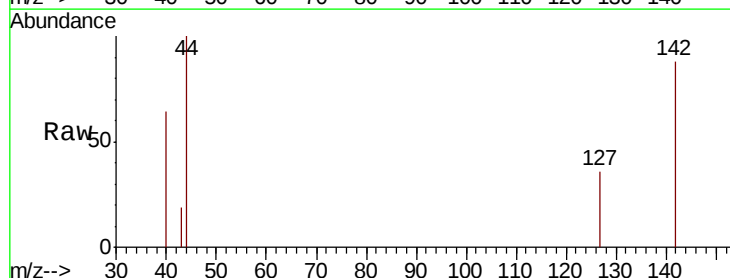
Tgt Ion: 142 Resp: 2068

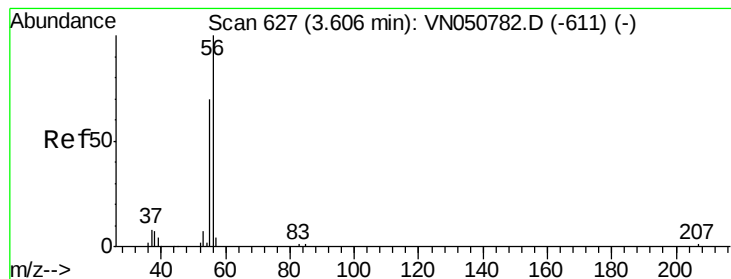
Ion Ratio Lower Upper

142 100

127 16.2 31.7 47.5#

141 1.5 11.4 17.0#





#13

Acrolein

Concen: 18.123 ug/l

RT: 3.63 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

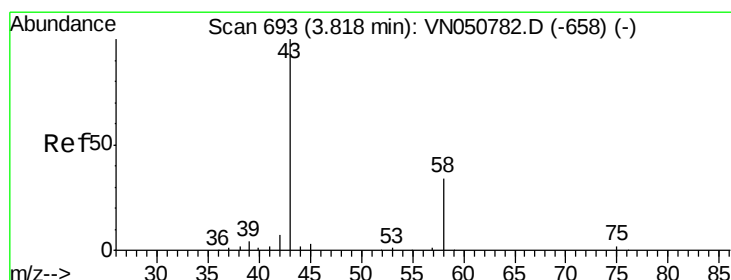
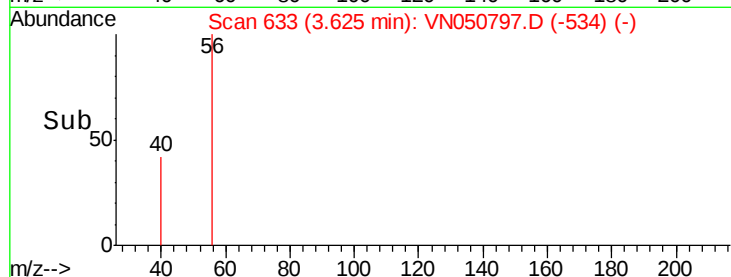
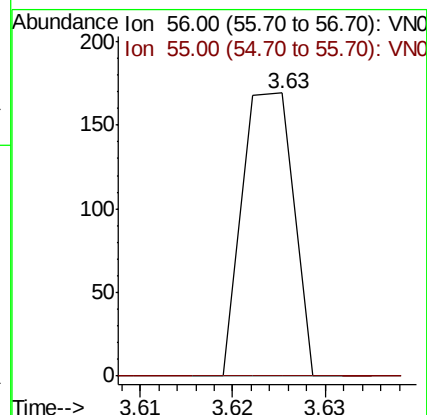
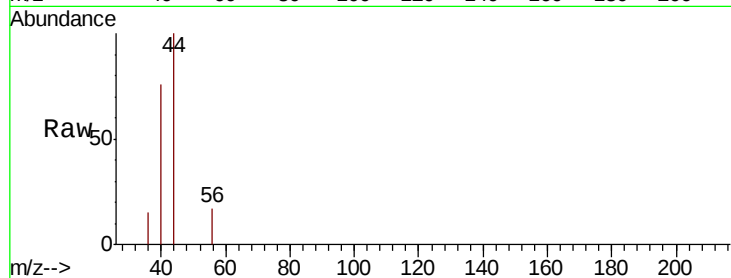
PB112227ZHE#03

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



#16

Acetone

Concen: 3.899 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050797.D

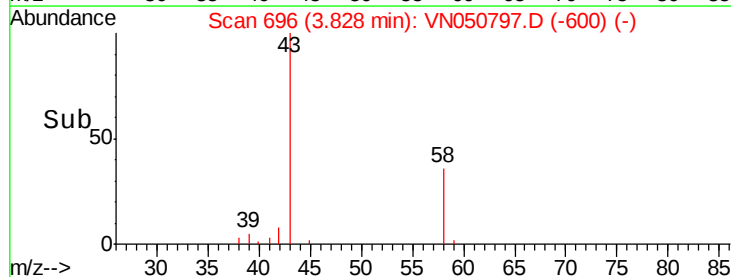
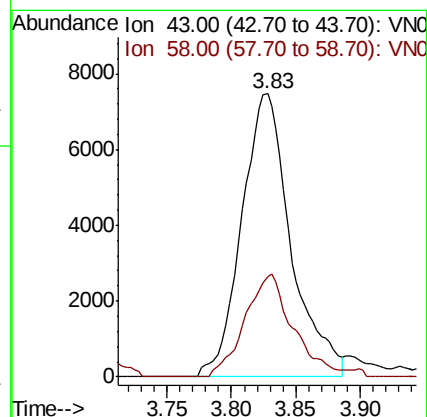
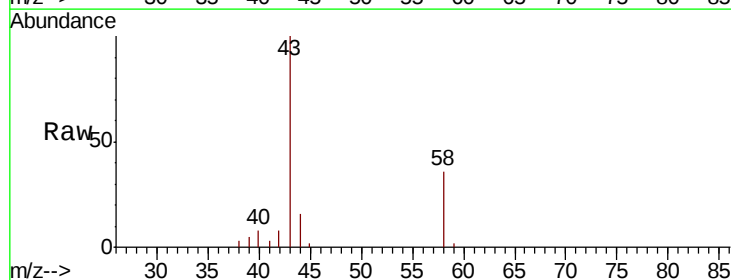
Acq: 21 Aug 2018 22:11

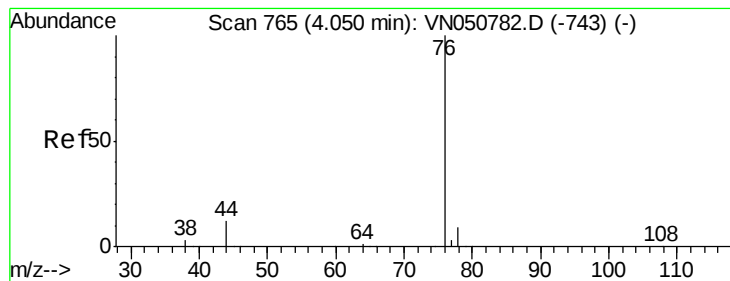
Tgt Ion: 43 Resp: 19902

Ion Ratio Lower Upper

43 100

58 35.6 27.2 40.8





#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

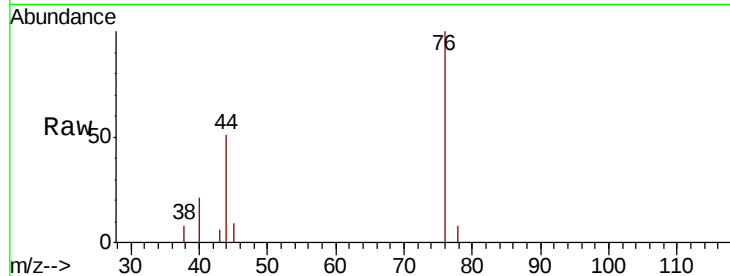
PB112227ZHE#03

Tot Ion: 76 Resp: 7230

Ion Ratio Lower Upper

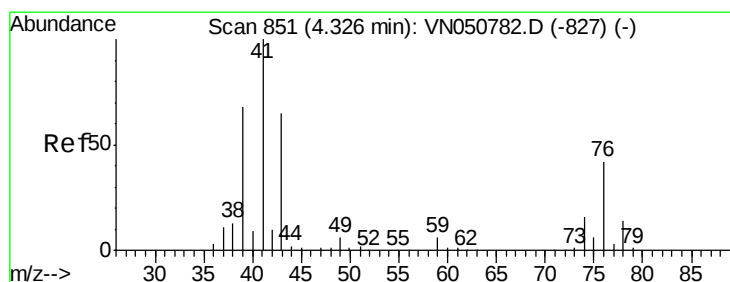
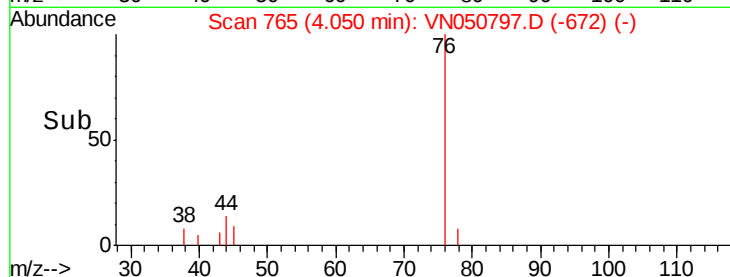
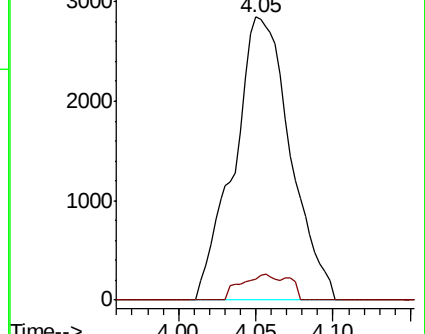
76 100

78 7.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.175 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050797.D

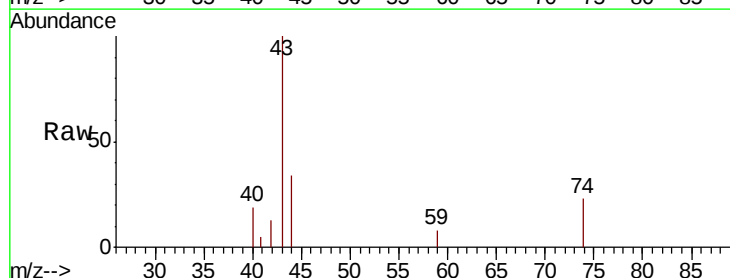
Acq: 21 Aug 2018 22:11

Tgt Ion: 43 Resp: 8592

Ion Ratio Lower Upper

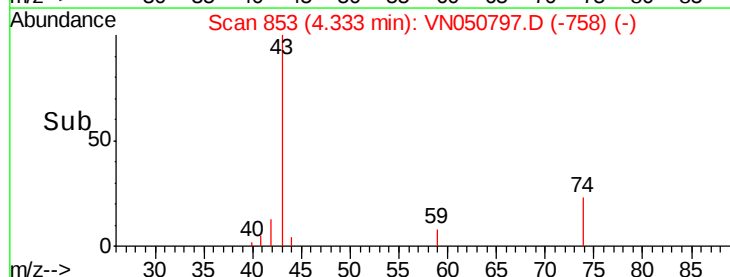
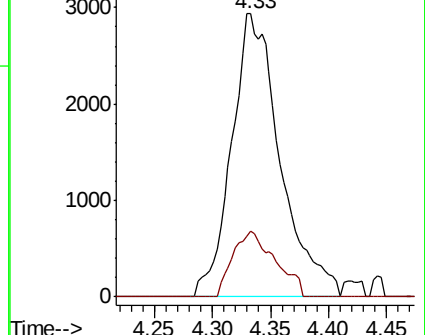
43 100

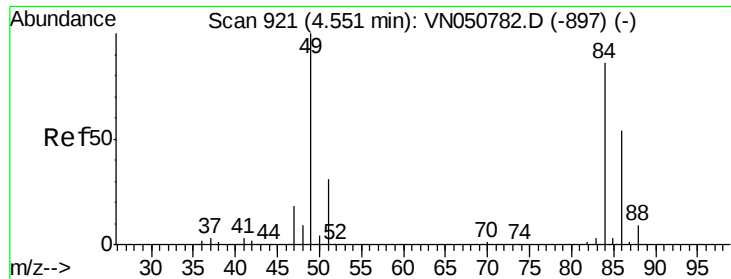
74 20.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

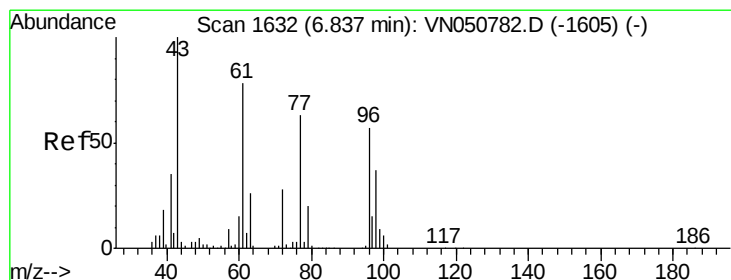
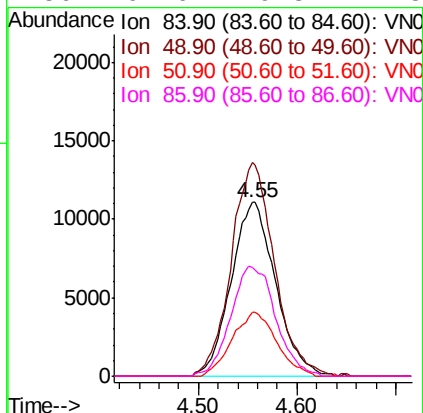
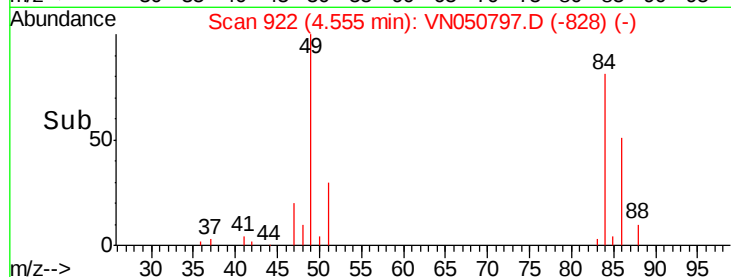
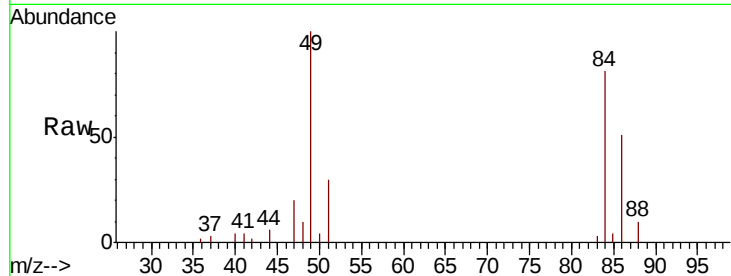




#20
Methvlene Chloride
Concen: 3.984 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

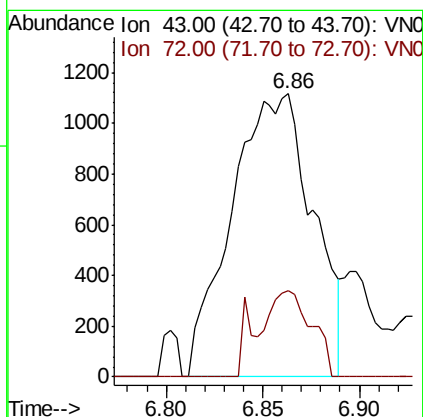
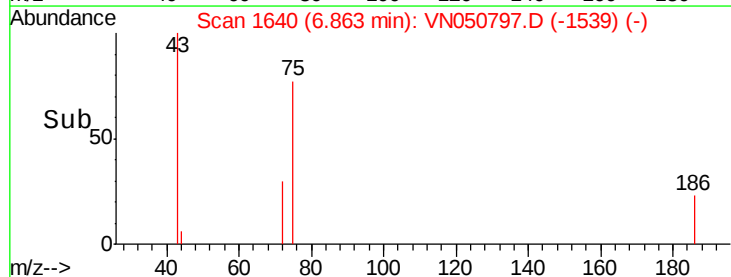
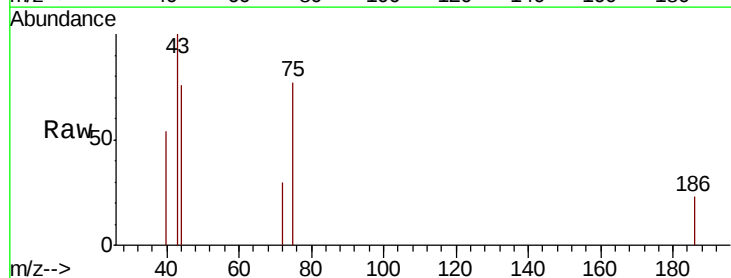
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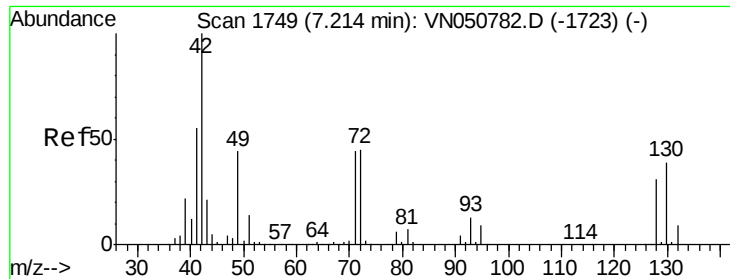
Tot Ion: 84 Resp: 34771
Ion Ratio Lower Upper
84 100
49 122.7 93.2 139.8
51 36.6 29.0 43.6
86 62.6 49.8 74.8



#25
2-Butanone
Concen: 1.046 ug/l
RT: 6.86 min Scan# 1640
Delta R.T. 0.03 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

Tgt Ion: 43 Resp: 3265
Ion Ratio Lower Upper
43 100
72 30.5 22.3 33.5

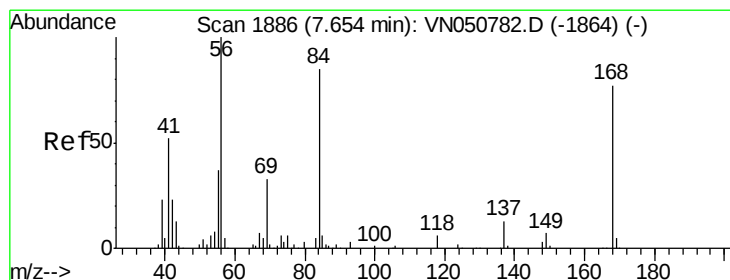
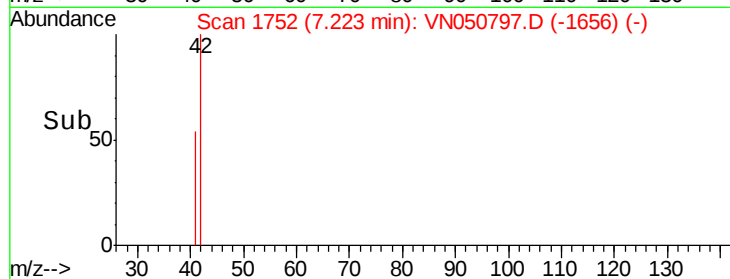
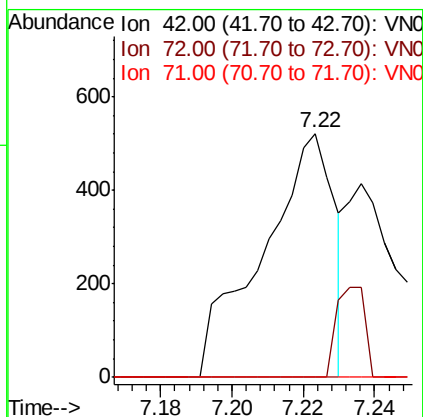
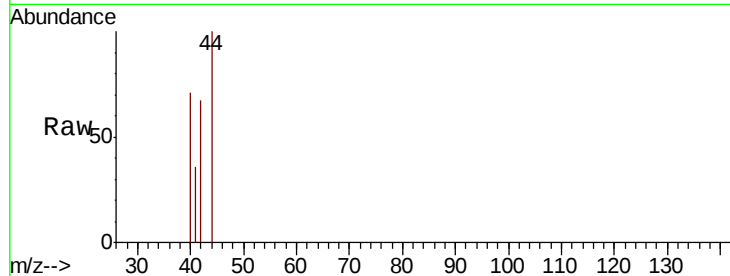




#29
Tetrahydrofuran
Concen: 0.405 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

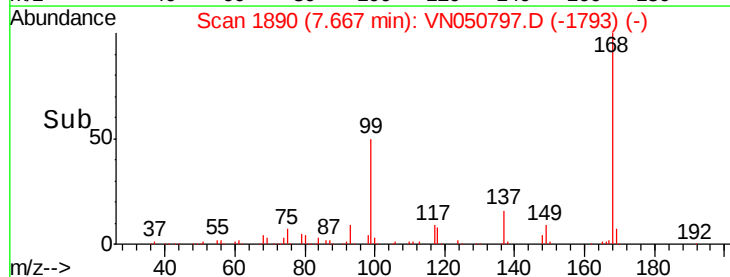
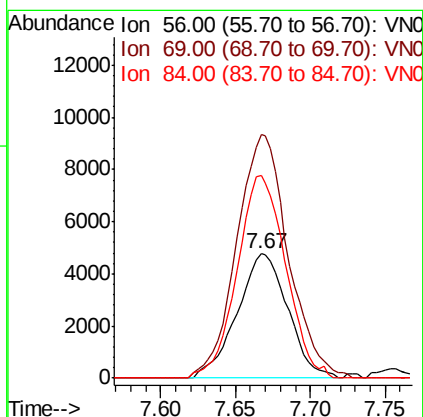
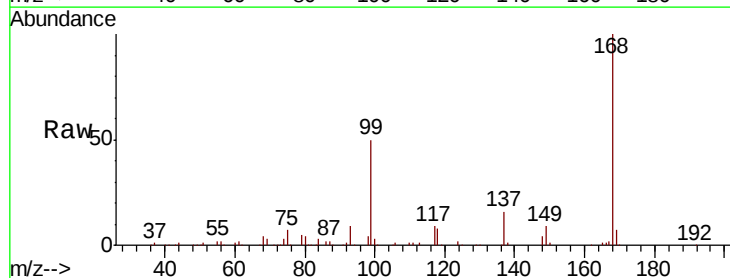
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#03

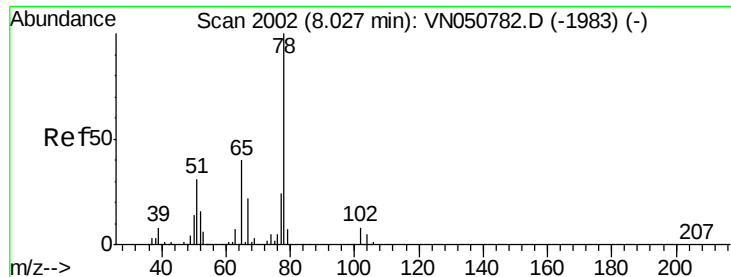
Tot Ion: 42 Resp: 724
Ion Ratio Lower Upper
42 100
72 14.6 35.5 53.3#
71 0.0 33.7 50.5#



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

Tgt Ion: 56 Resp: 11236
Ion Ratio Lower Upper
56 100
69 196.3 26.2 39.4#
84 163.3 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 53.854 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

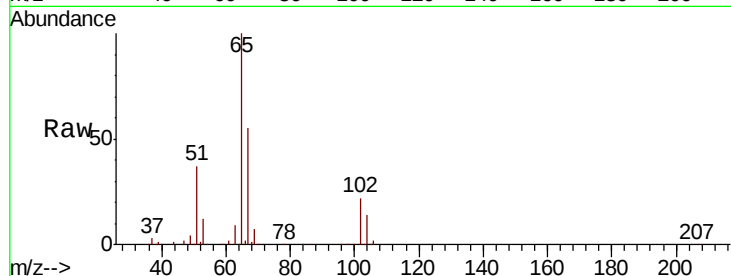
PB112227ZHE#03

Tot Ion: 65 Resp: 417030

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

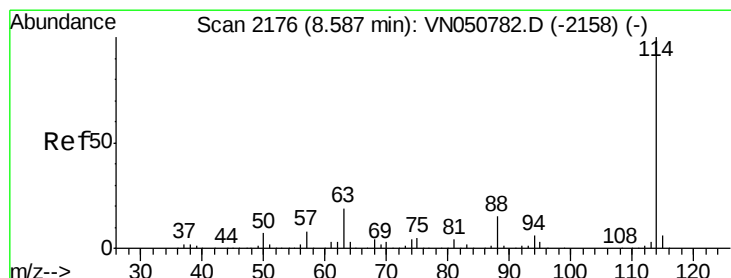
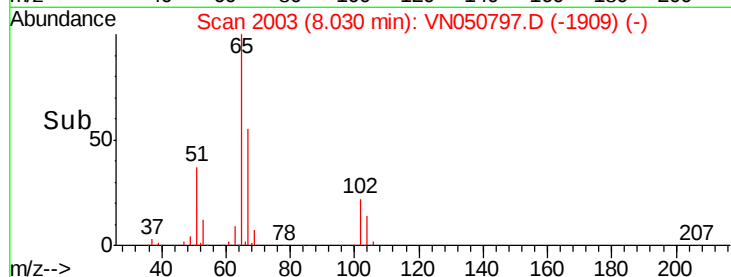
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

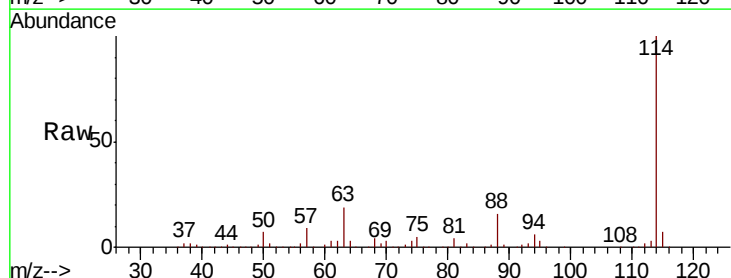
Tgt Ion: 114 Resp: 1011471

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

500000

400000

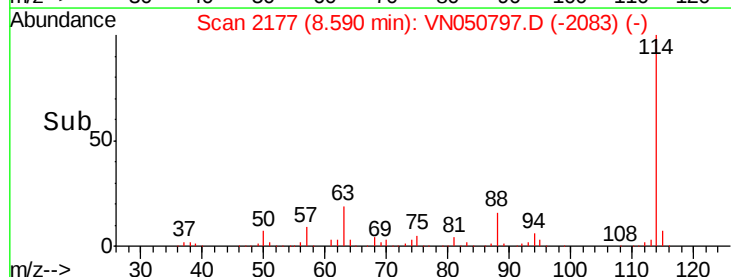
300000

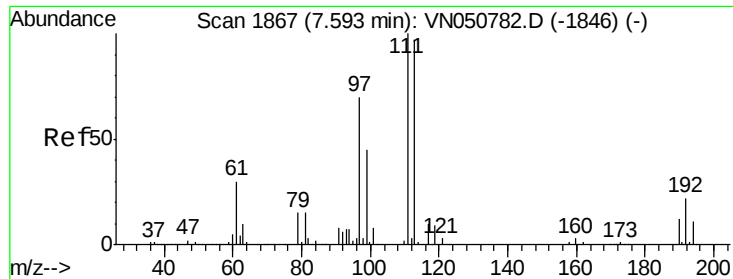
200000

100000

0

Time--> 8.50 8.60 8.70 8.80

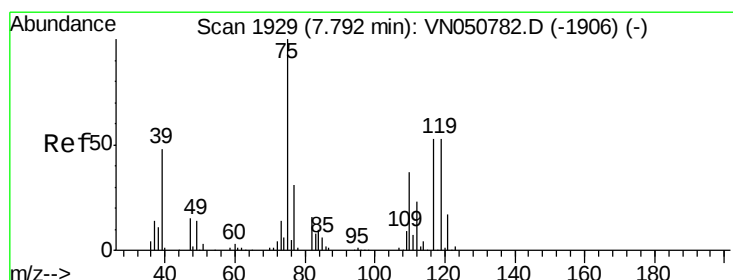
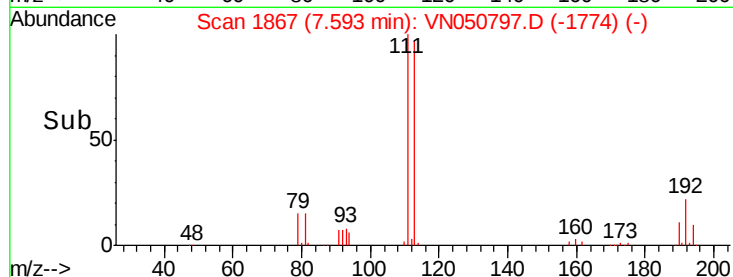
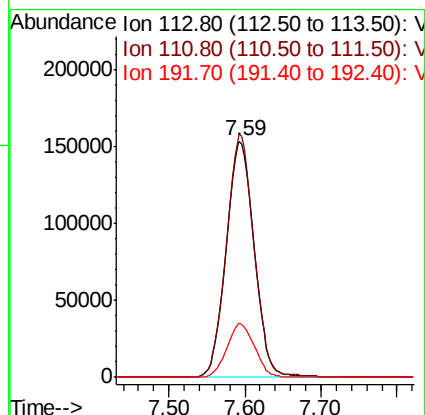
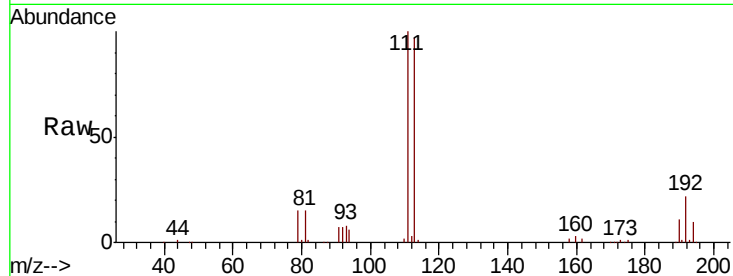




#35
 Dibromofluoromethane
 Concen: 49.116 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050797.D
 Acq: 21 Aug 2018 22:11

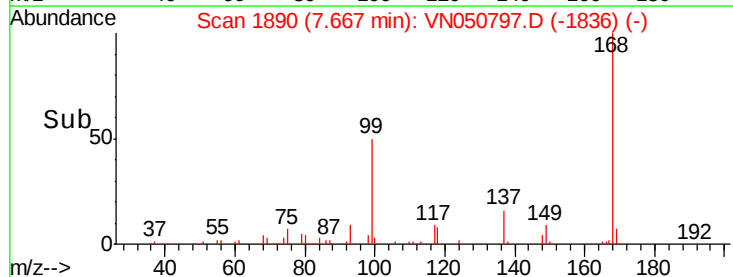
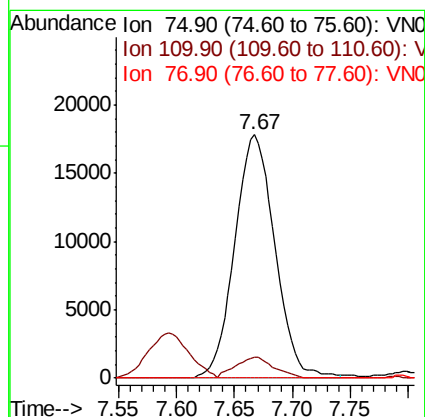
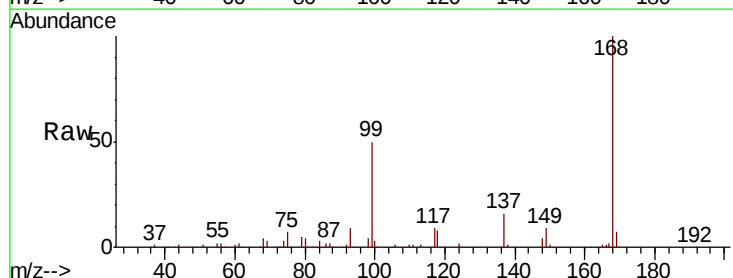
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112227ZHE#03

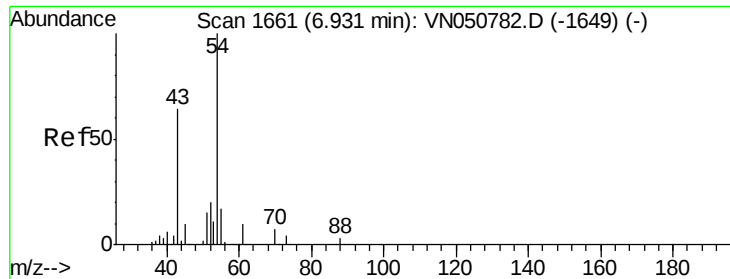
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	22.6	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.612 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050797.D
 Acq: 21 Aug 2018 22:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.4#
77	0.0	24.8	37.2#

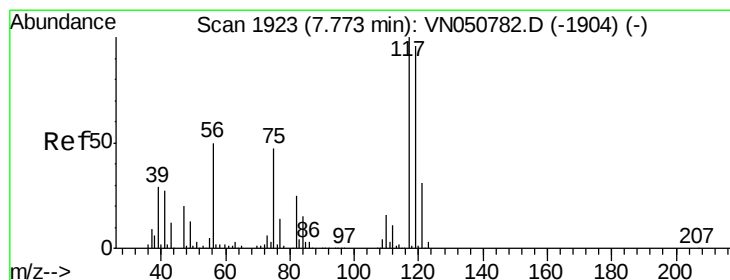
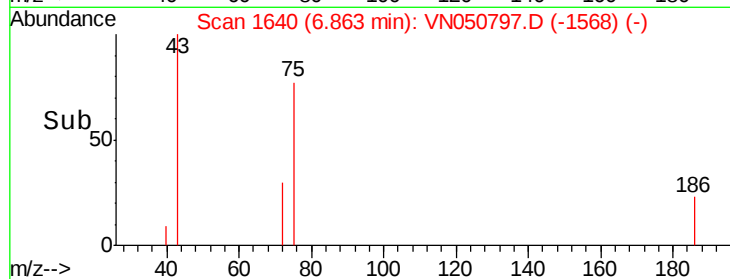
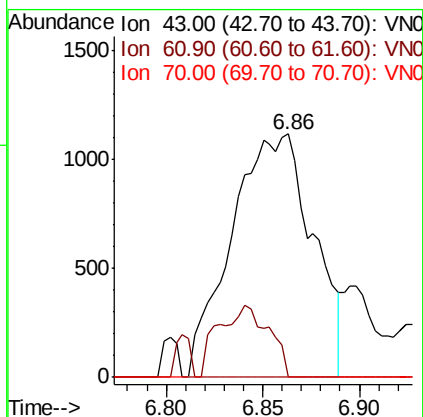
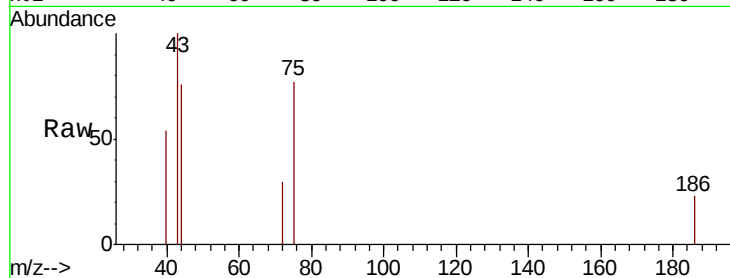




#37
Ethyl Acetate
Concen: 0.476 ug/l
RT: 6.86 min Scan# 1640
Delta R.T. -0.07 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

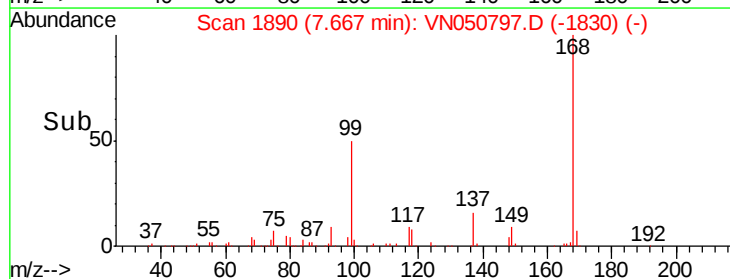
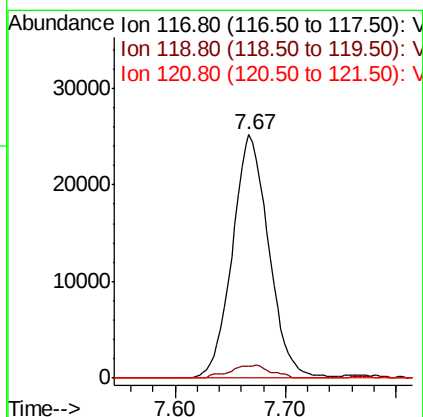
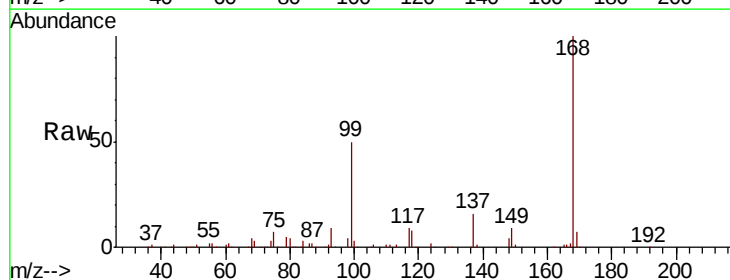
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#03

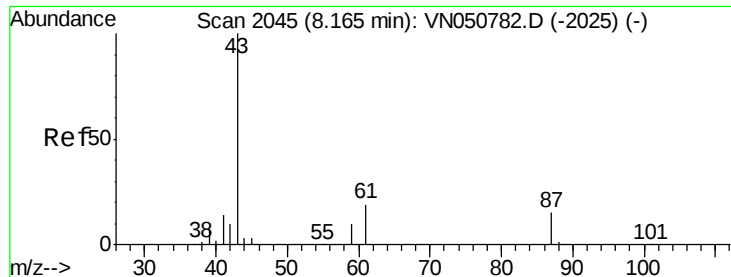
Tot Ion: 43 Resp: 3265
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

Tgt Ion: 117 Resp: 57564
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 20.854 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

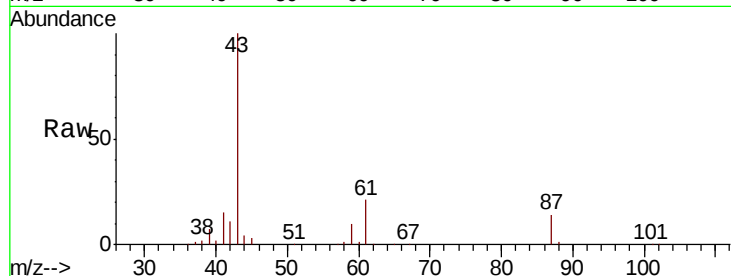
Tot Ion: 43 Resp: 245842

Ion Ratio Lower Upper

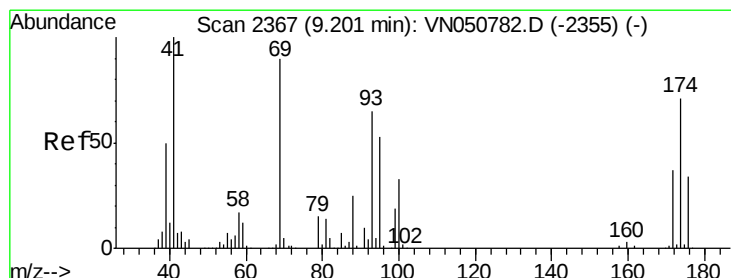
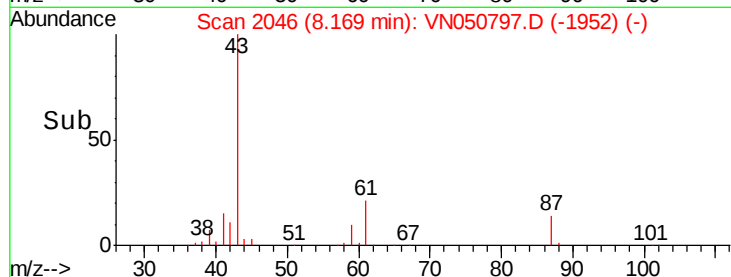
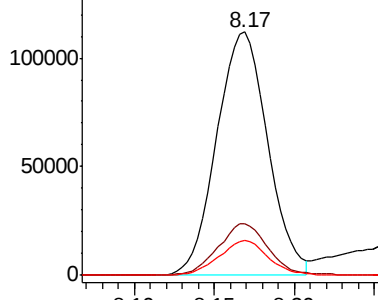
43 100

61 21.0 17.5 26.3

87 14.0 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.247 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

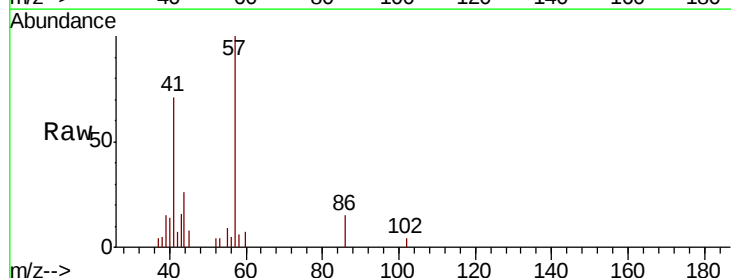
Tgt Ion: 41 Resp: 7491

Ion Ratio Lower Upper

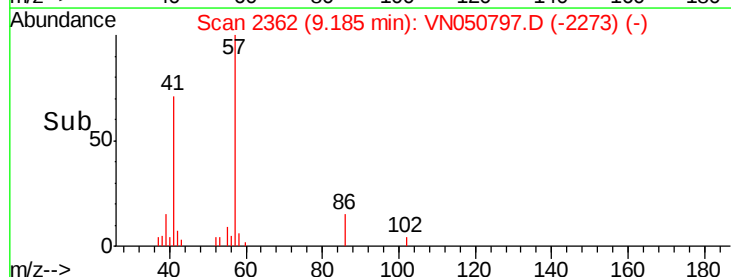
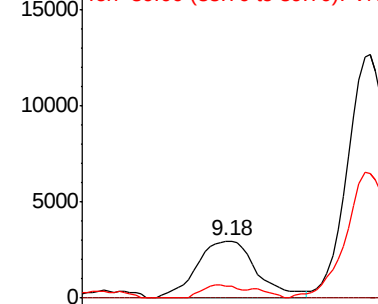
41 100

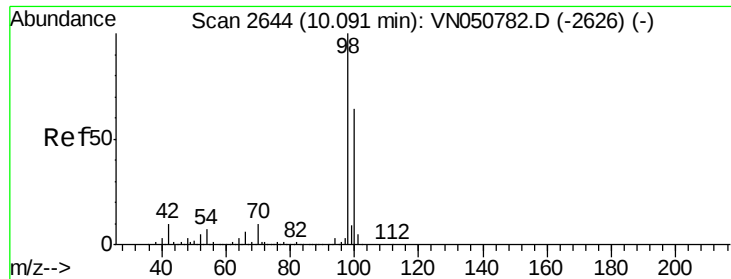
69 0.0 74.7 112.1#

39 13.4 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 47.185 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

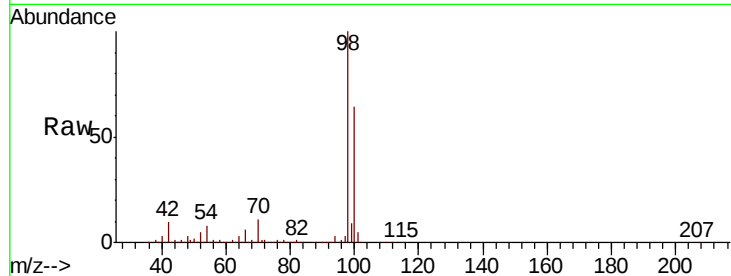
PB112227ZHE#03

Tot Ion: 98 Resp: 1419551

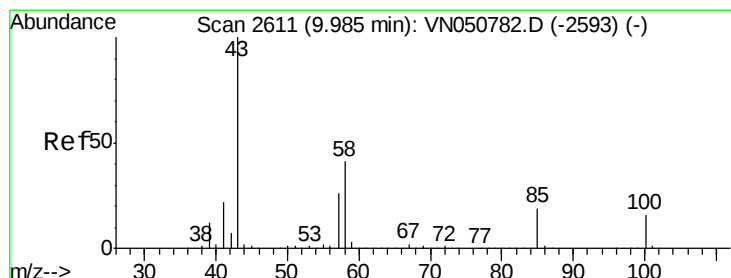
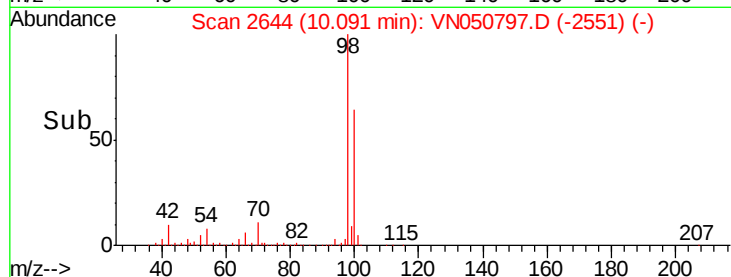
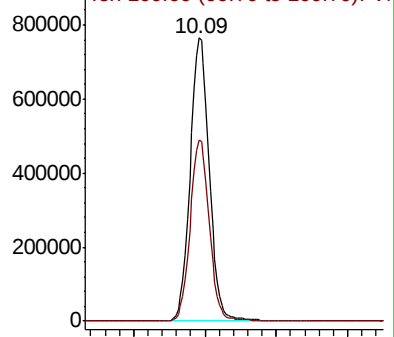
Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN050782.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.489 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050797.D

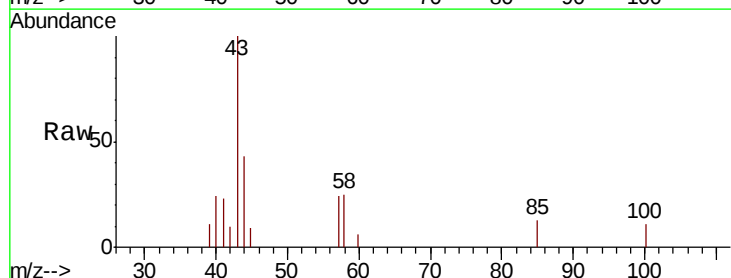
Acq: 21 Aug 2018 22:11

Tgt Ion: 43 Resp: 3437

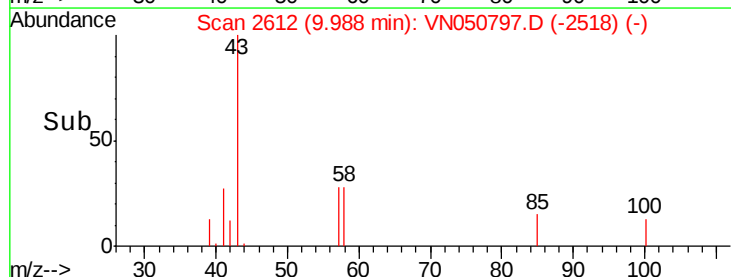
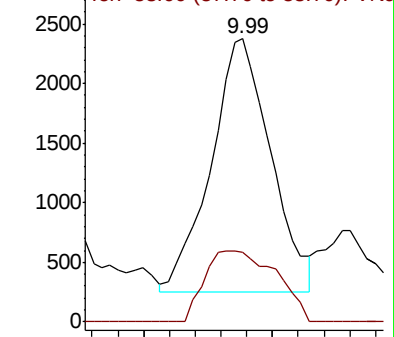
Ion Ratio Lower Upper

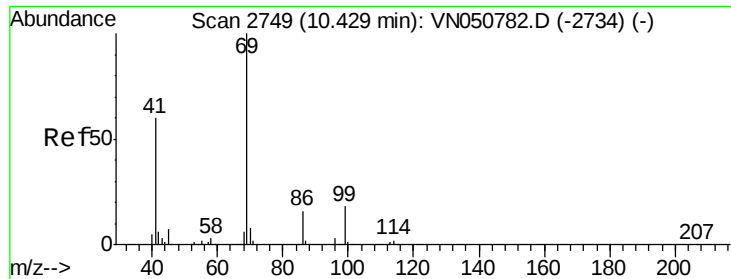
43 100

58 33.5 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2593) (-)





#56

Ethyl methacrylate

Concen: 2.359 ug/l

RT: 10.29 min Scan# 2705

Delta R.T. -0.14 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

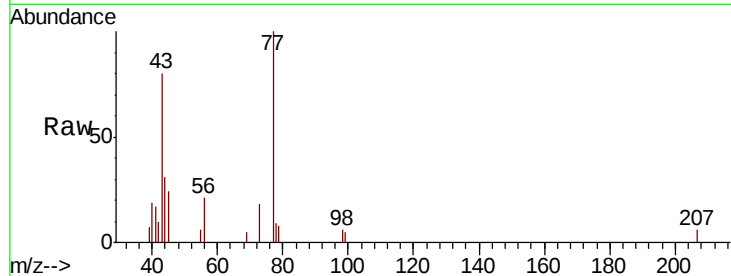
Tot Ion: 69 Resp: 95

Ion Ratio Lower Upper

69 100

41 175.8 48.3 72.5#

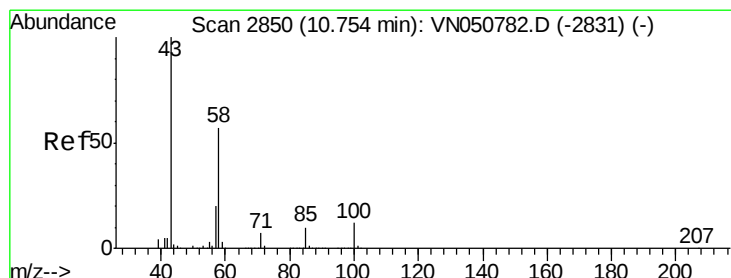
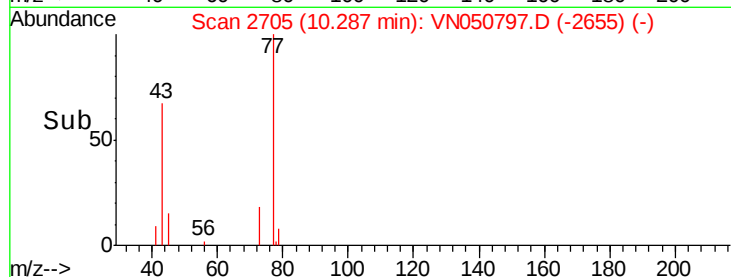
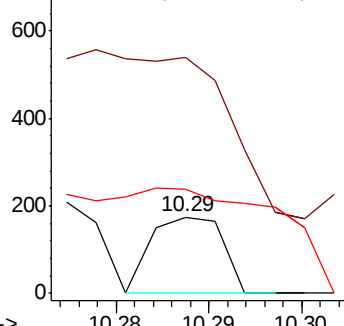
39 0.0 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.932 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050797.D

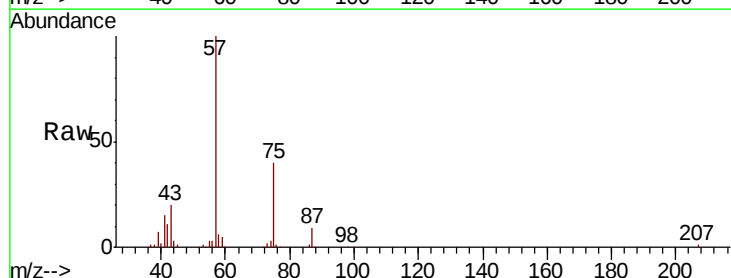
Acq: 21 Aug 2018 22:11

Tgt Ion: 43 Resp: 18416

Ion Ratio Lower Upper

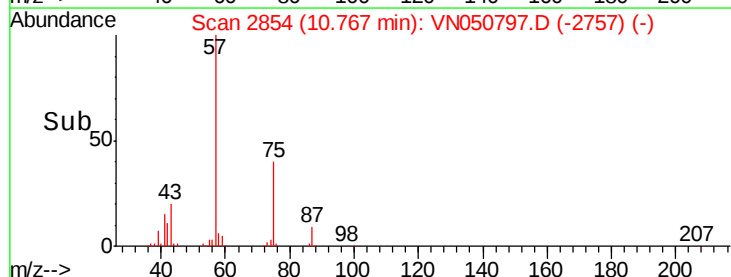
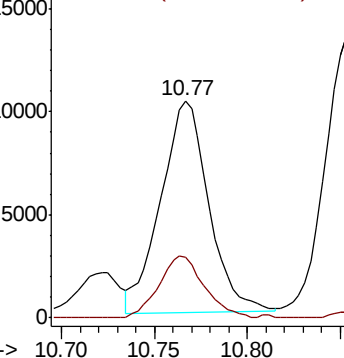
43 100

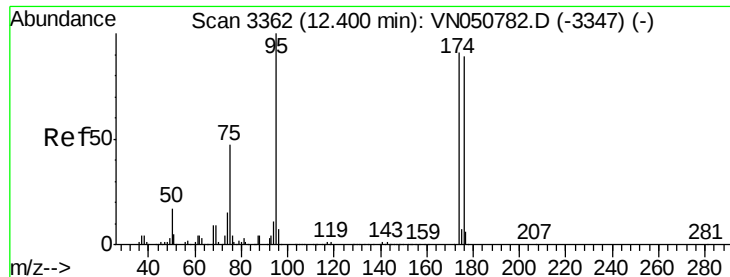
58 27.7 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.163 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

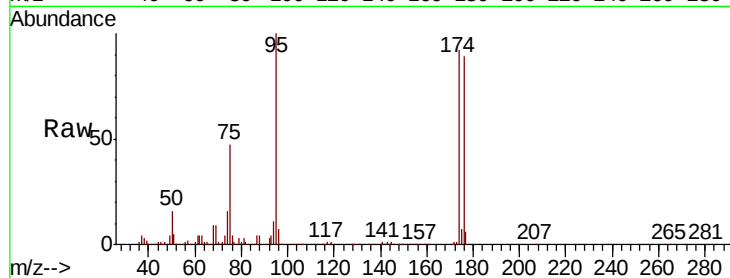
Tot Ion: 95 Resp: 381524

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.0

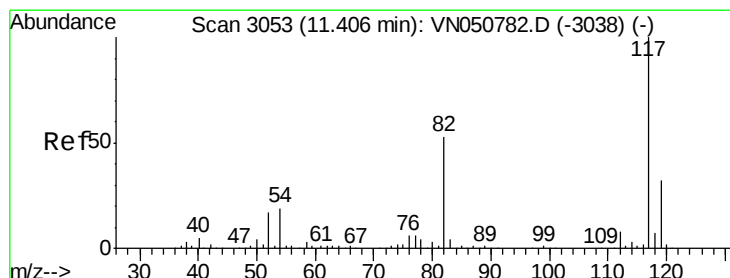
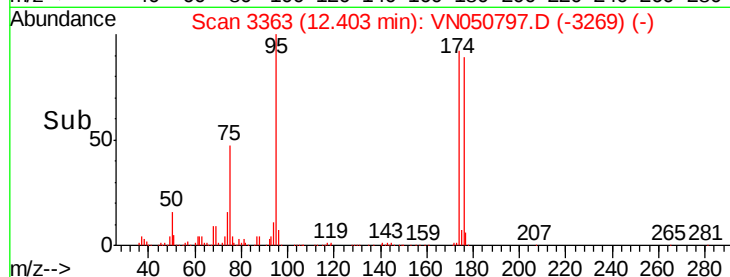
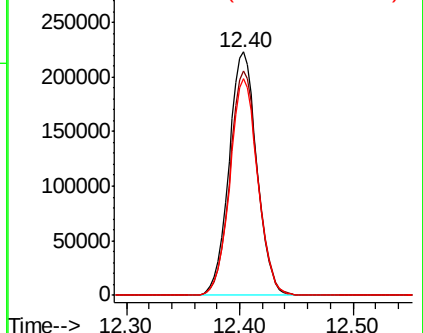
176 88.7 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

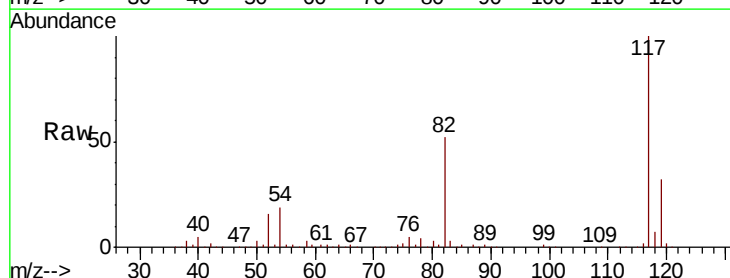
Tgt Ion: 117 Resp: 889068

Ion Ratio Lower Upper

117 100

82 52.5 42.6 64.0

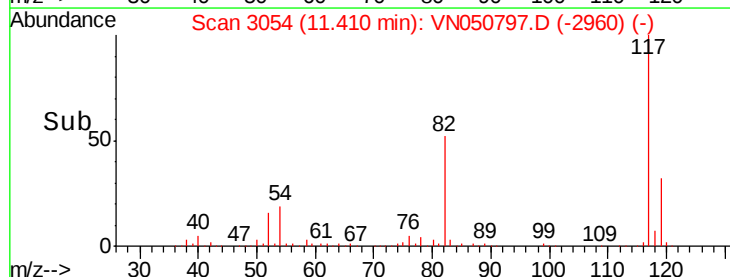
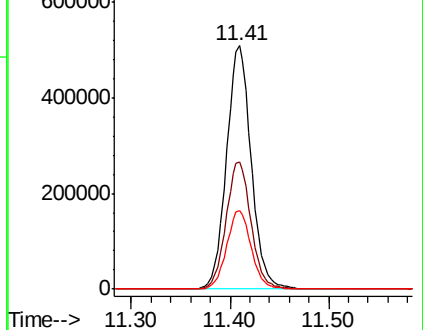
119 32.3 25.8 38.6

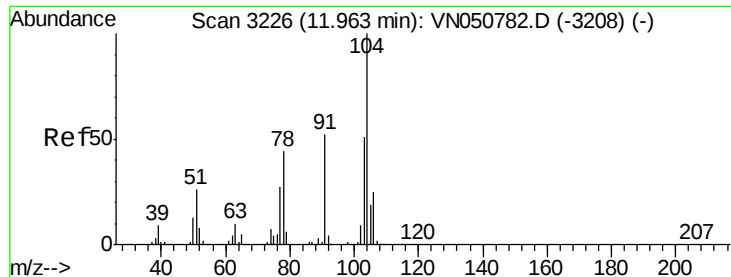


Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)

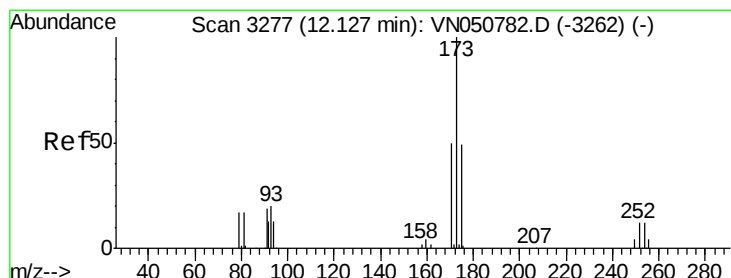
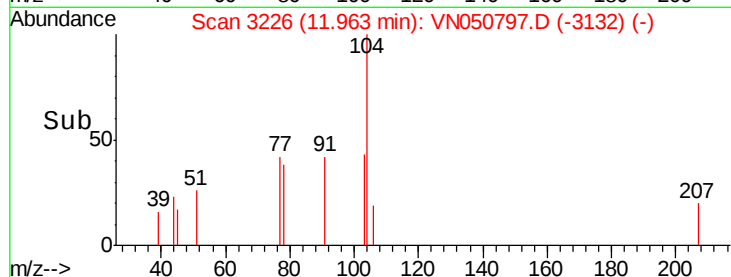
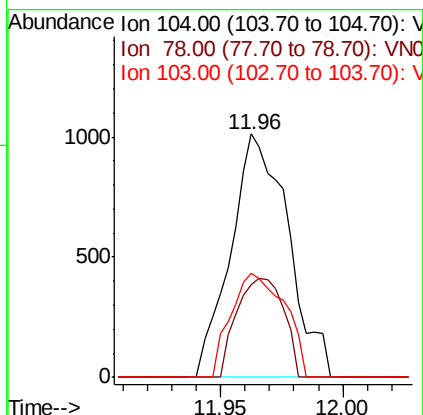
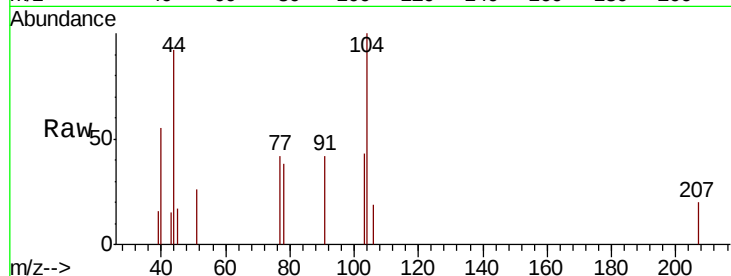




#70
Stvrene
Concen: 1.336 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

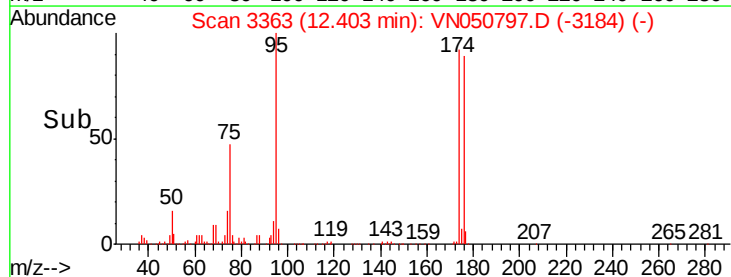
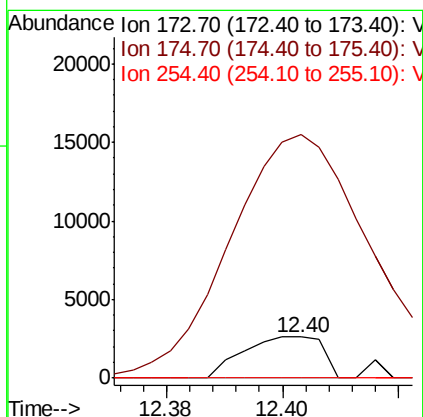
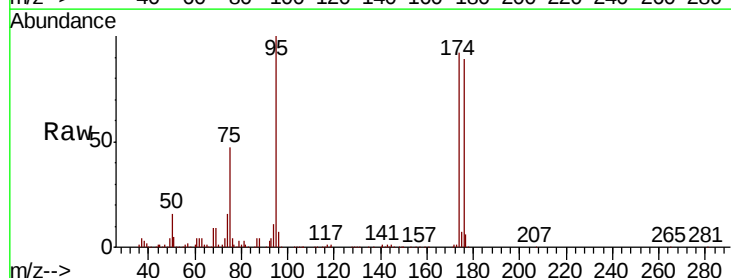
Instrument :
MSVOA_N
ClientSampleId :
PB112227ZHE#03

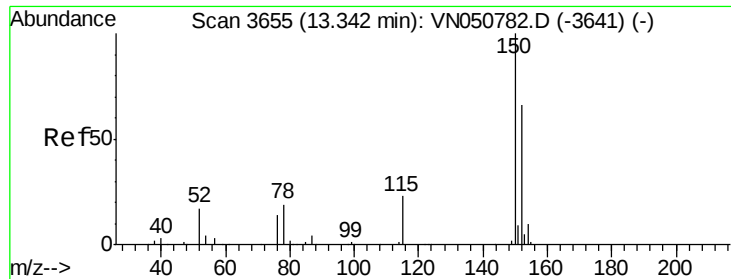
Tot Ion:104 Resp: 1654
Ion Ratio Lower Upper
104 100
78 33.2 38.2 57.4#
103 40.2 44.4 66.6#



#71
Bromoform
Concen: 0.423 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050797.D
Acq: 21 Aug 2018 22:11

Tgt Ion:173 Resp: 2474
Ion Ratio Lower Upper
173 100
175 879.1 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

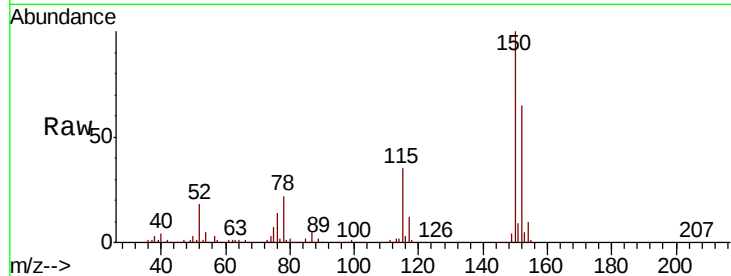
Tot Ion:152 Resp: 293927

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

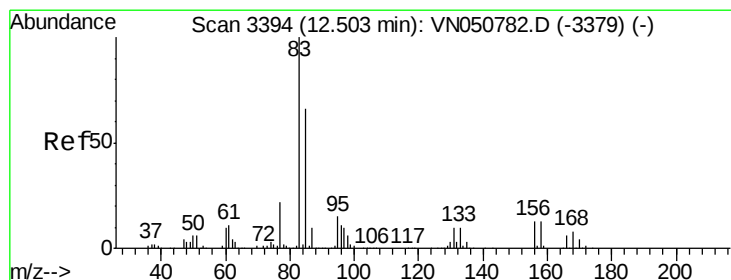
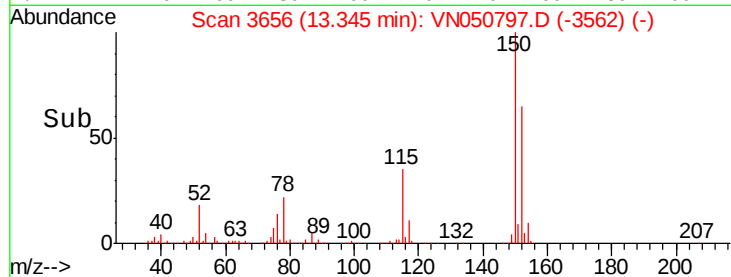
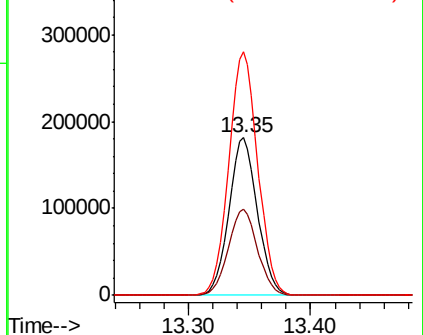
150 156.9 0.0 351.4



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: VN050797.D

Acq: 21 Aug 2018 22:11

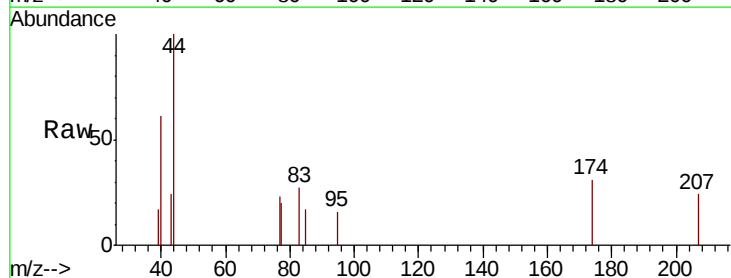
Tgt Ion: 83 Resp: 359

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

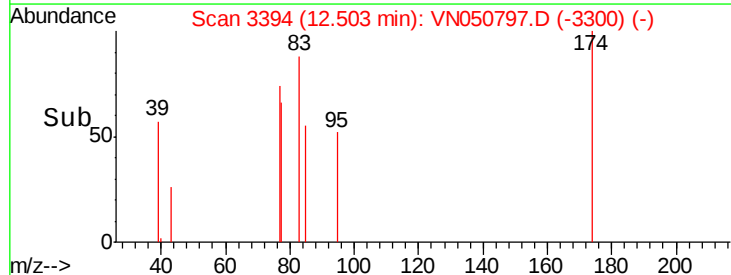
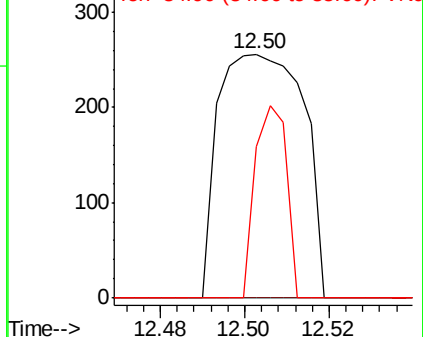
85 29.2 31.9 95.7#

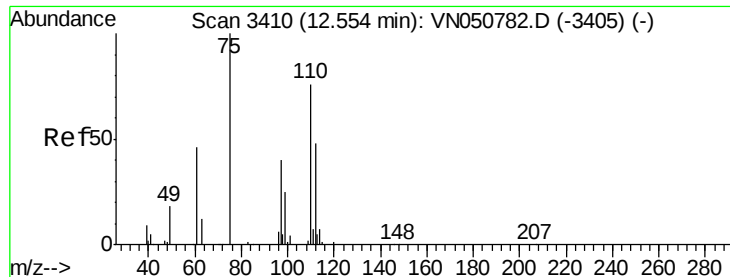


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 34.834 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

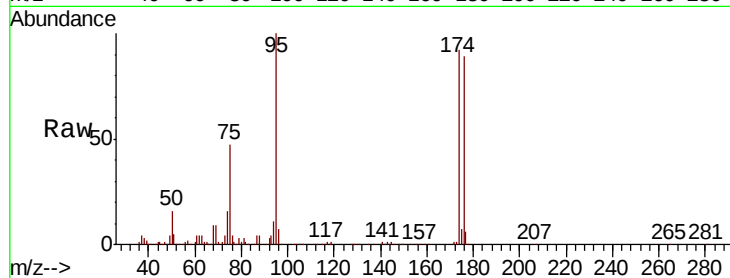
PB112227ZHE#03

Tot Ion: 75 Resp: 179331

Ion Ratio Lower Upper

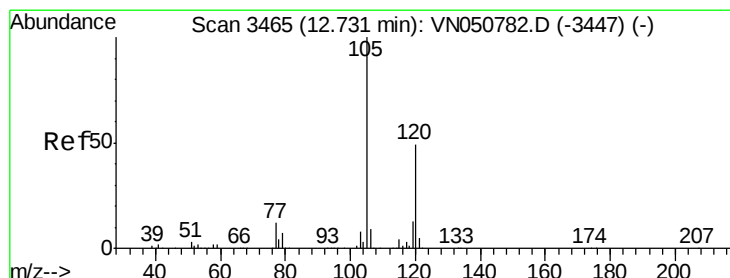
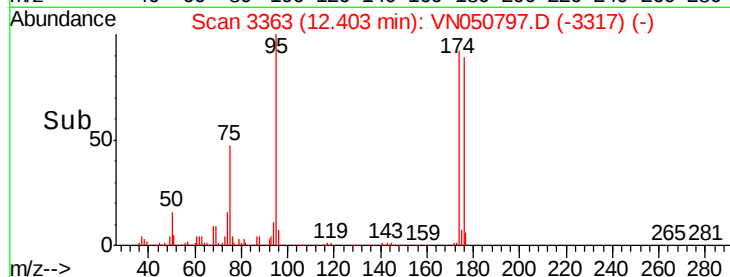
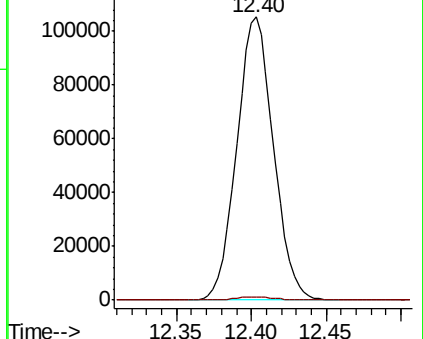
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050797.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050797.D (-3317) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.230 ug/l

RT: 12.73 min Scan# 3464

Delta R.T. -0.00 min

Lab File: VN050797.D

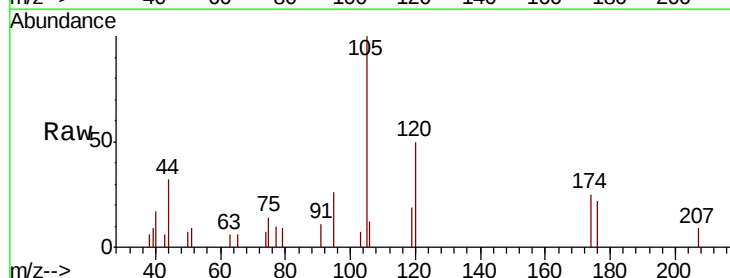
Acq: 21 Aug 2018 22:11

Tgt Ion: 105 Resp: 4519

Ion Ratio Lower Upper

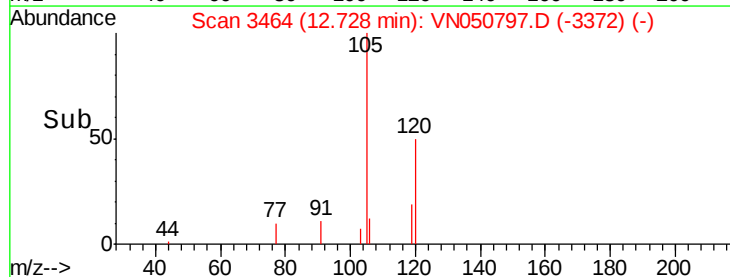
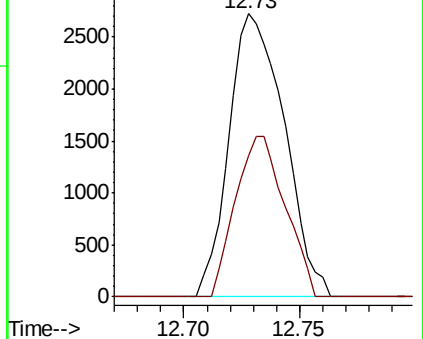
105 100

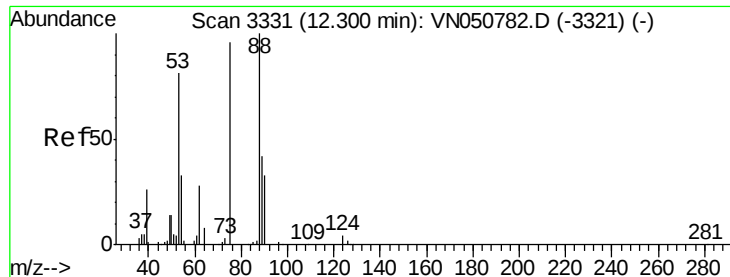
120 50.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050797.D (-3372) (-)

Ion 120.00 (119.70 to 120.70): VN050797.D (-3372) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 117.759 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

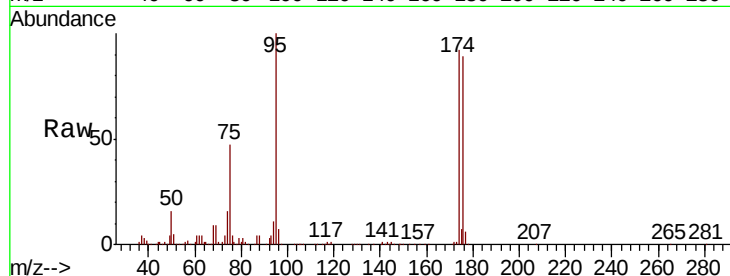
Tot Ion: 75 Resp: 179331

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

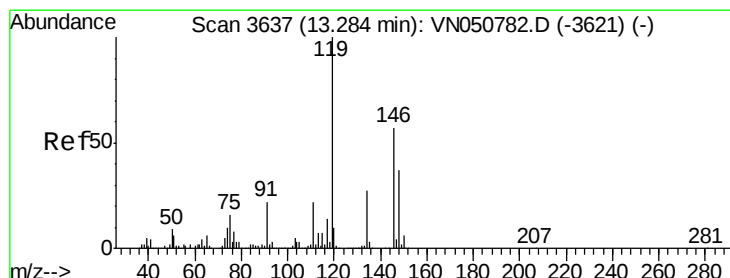
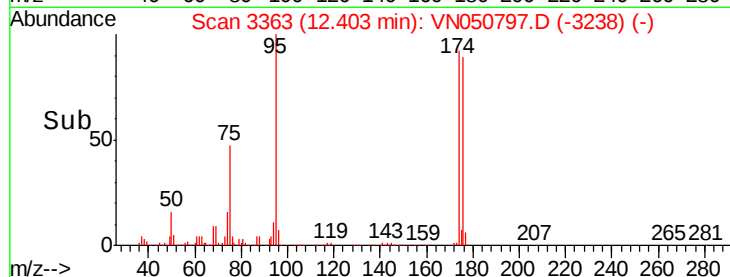
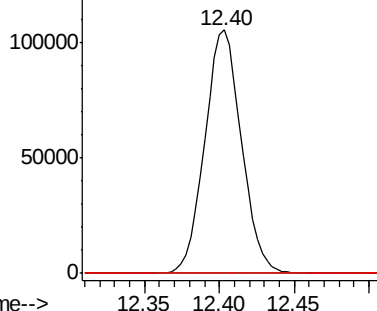
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#87

1,3-Dichlorobenzene

Concen: 0.225 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

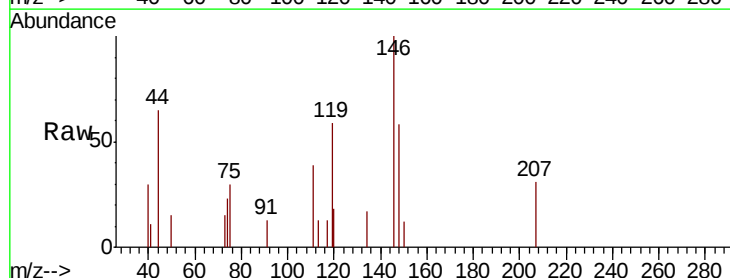
Tgt Ion: 146 Resp: 2526

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.3

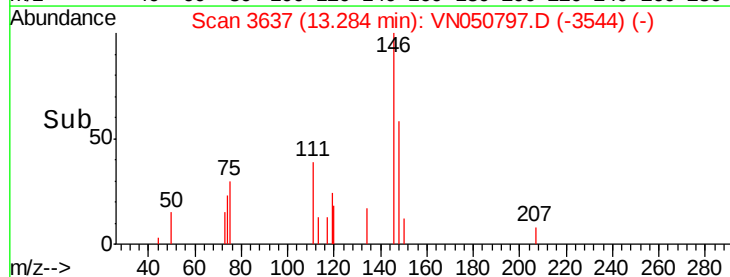
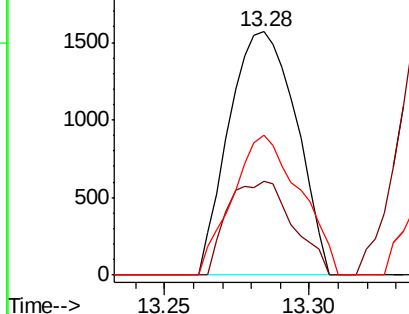
148 58.0 32.2 96.6

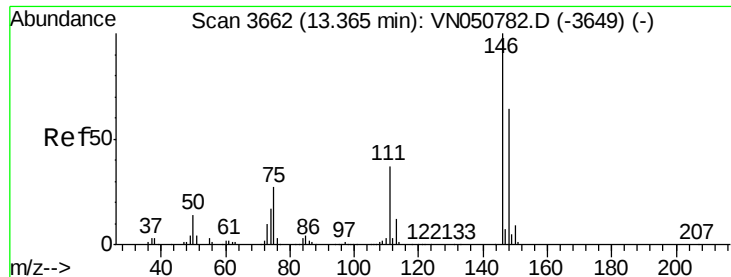


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.229 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.08 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

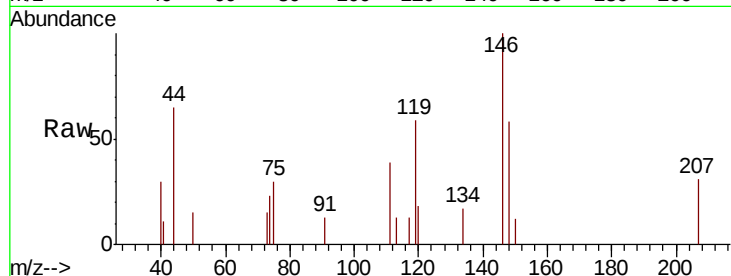
Tot Ion:146 Resp: 2526

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.3

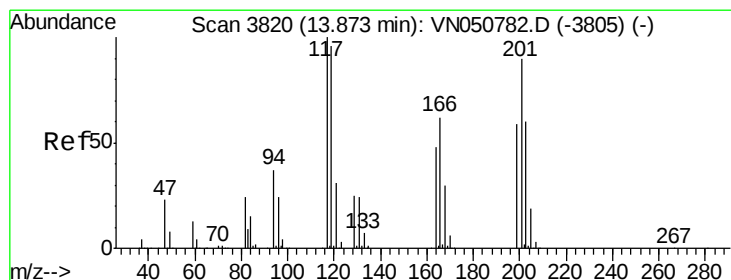
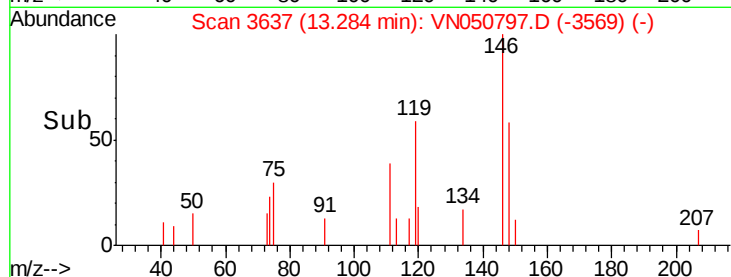
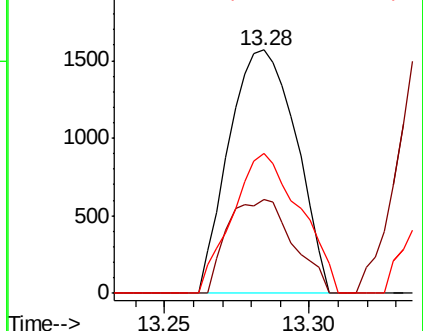
148 58.0 32.2 96.6



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: 0.222 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050797.D

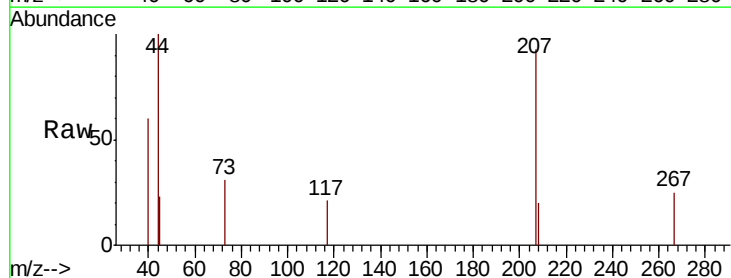
Acq: 21 Aug 2018 22:11

Tgt Ion:117 Resp: 137

Ion Ratio Lower Upper

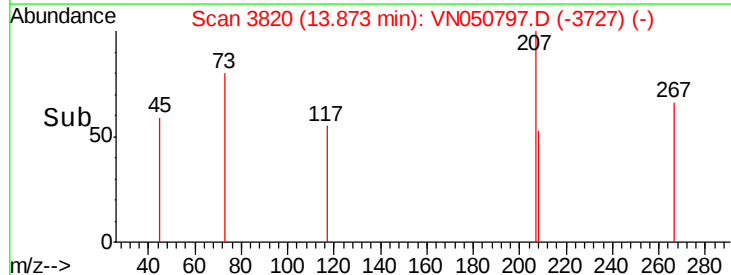
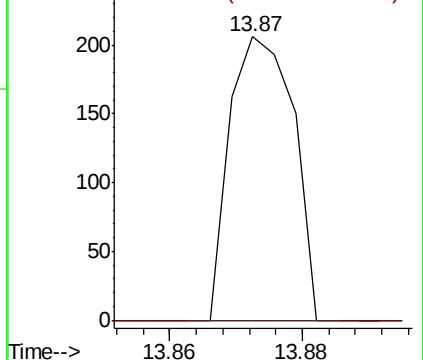
117 100

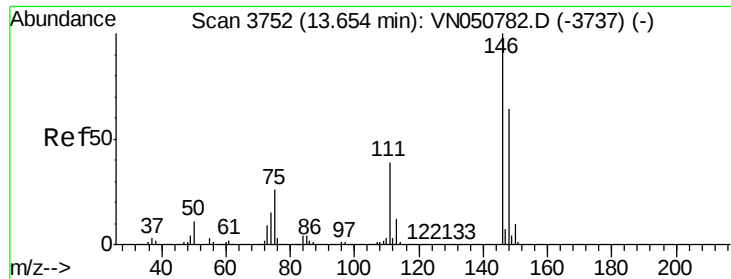
201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

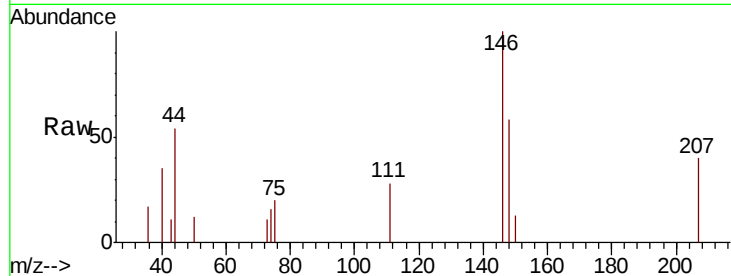




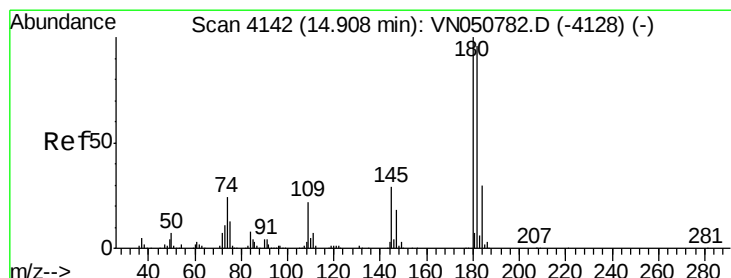
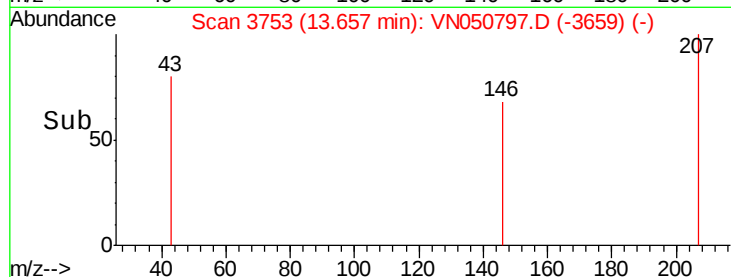
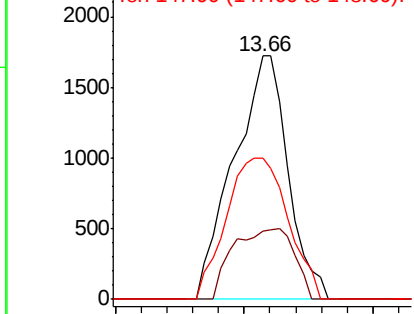
#91
 1,2-Dichlorobenzene
 Concen: 0.232 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050797.D
 Acq: 21 Aug 2018 22:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112227ZHE#03

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.8	19.8	59.3
148	66.0	32.3	96.8

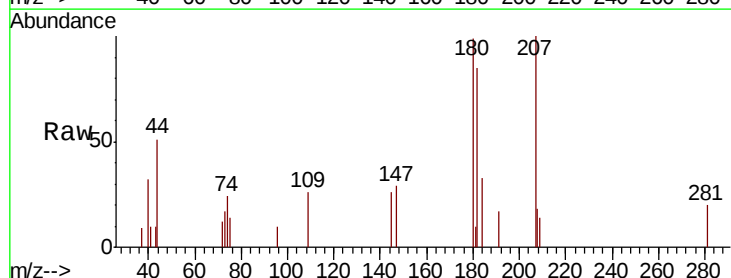


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

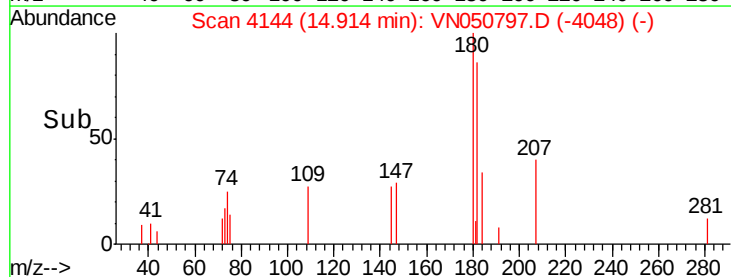
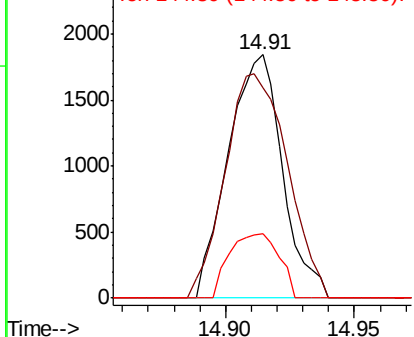


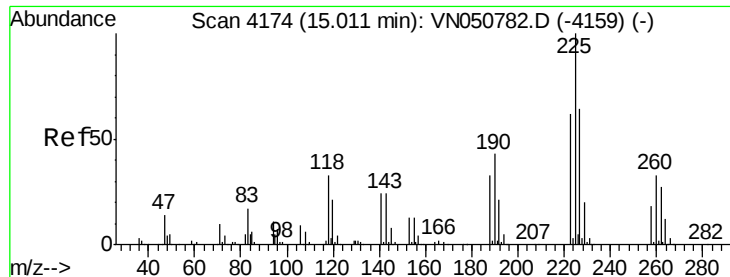
#93
 1,2,4-Trichlorobenzene
 Concen: 4.522 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.01 min
 Lab File: VN050797.D
 Acq: 21 Aug 2018 22:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.0	48.2	144.6
145	24.2	14.1	42.2



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: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

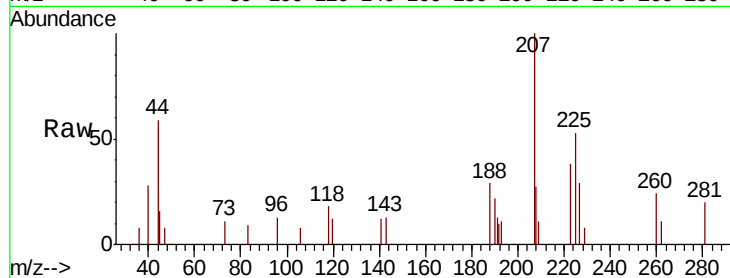
Tot Ion:225 Resp: 1616

Ion Ratio Lower Upper

225 100

223 65.3 31.3 93.8

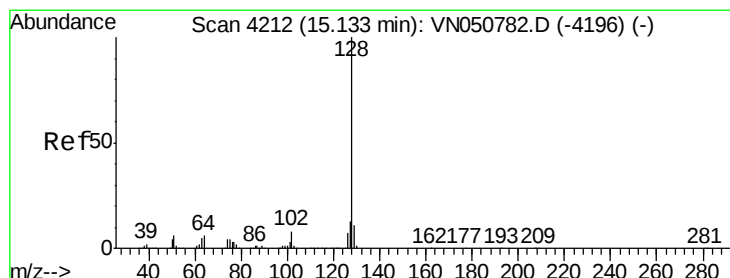
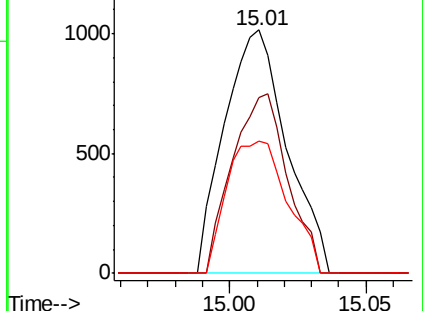
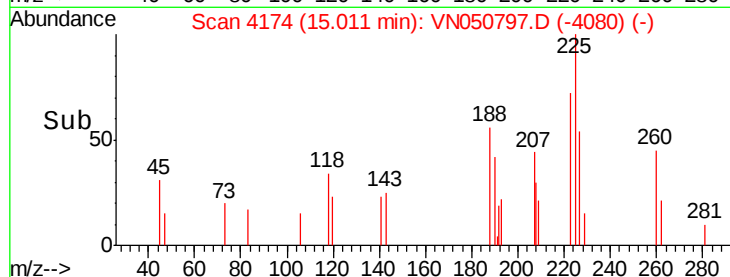
227 53.1 32.0 96.2



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: 5.964 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

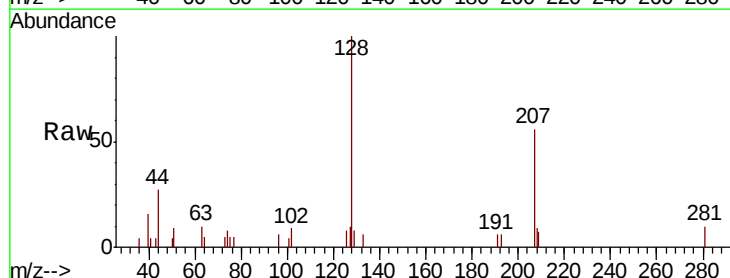
Tgt Ion:128 Resp: 7431

Ion Ratio Lower Upper

128 100

127 6.8 10.5 15.7#

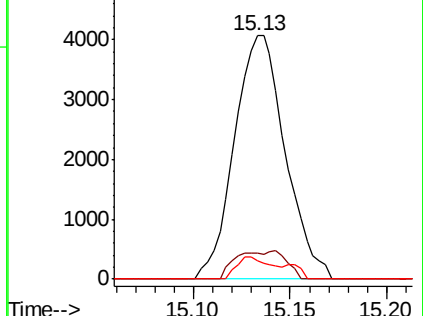
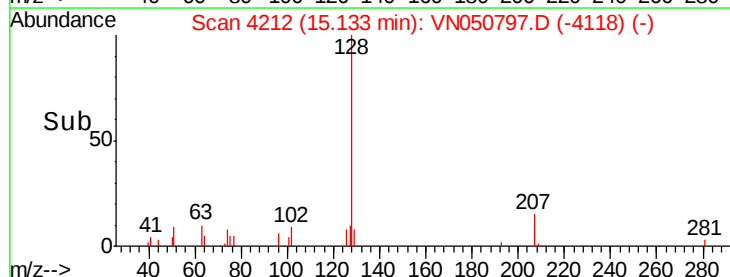
129 6.2 8.7 13.1#

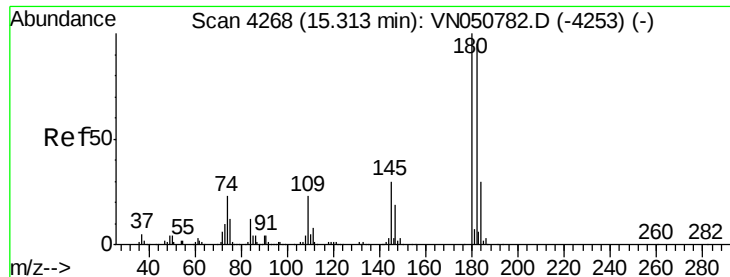


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.934 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050797.D

Acq: 21 Aug 2018 22:11

Instrument :

MSVOA_N

ClientSampleId :

PB112227ZHE#03

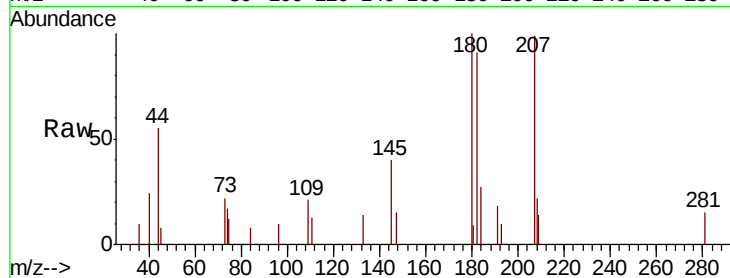
Tot Ion:180 Resp: 3604

Ion Ratio Lower Upper

180 100

182 90.6 48.0 144.2

145 31.1 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

