

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051015.D
 Acq On : 4 Sep 2018 13:27
 Operator : MD\SY
 Sample : PB112553ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112553ZHE#01

Quant Time: Sep 05 01:08:00 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	628556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	391926	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.59	113	377546	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.09	98	1358952	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
62) 4-Bromofluorobenzene	12.40	95	364420	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	

Target Compounds

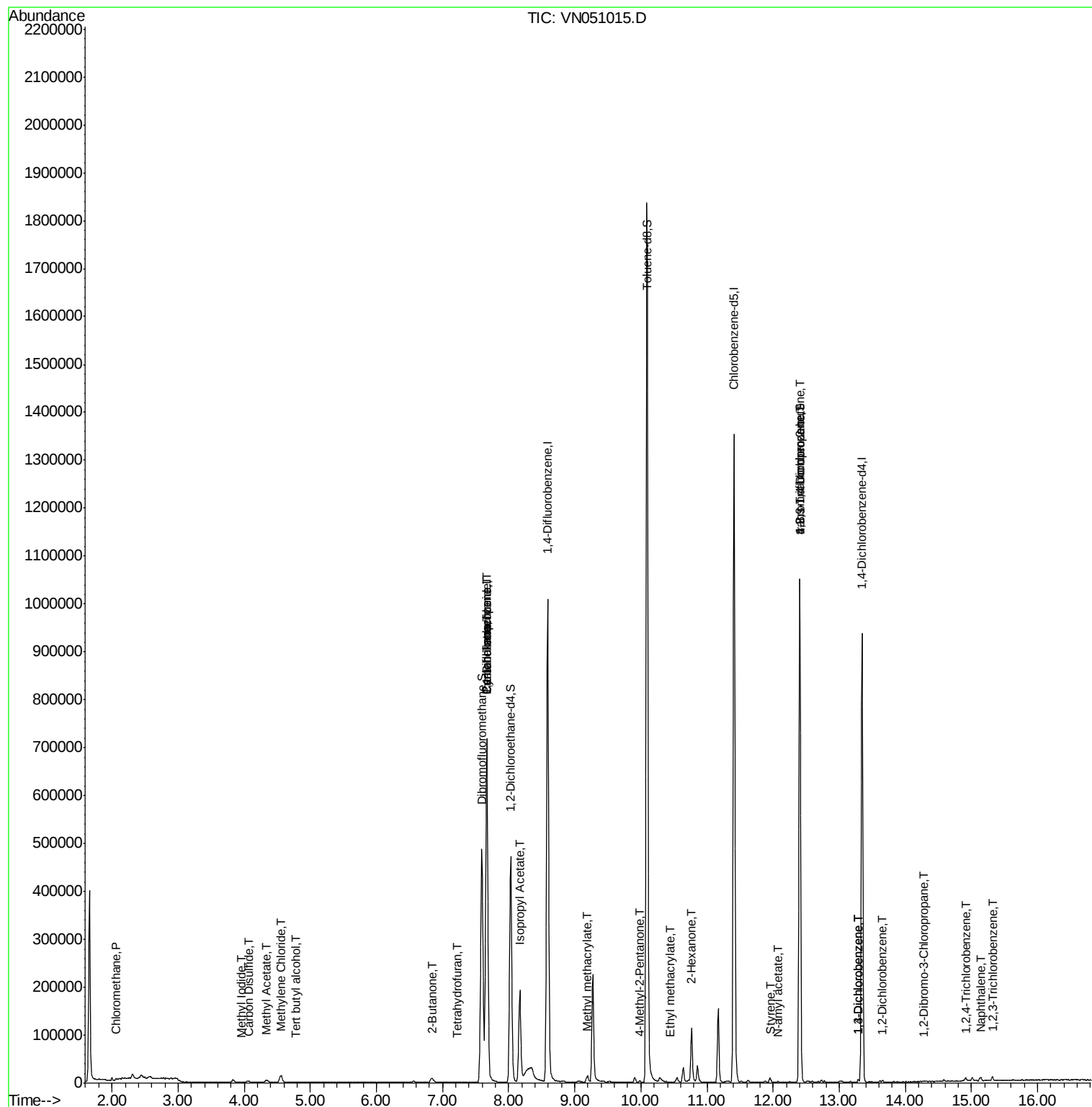
						Qvalue
3) Chloromethane	2.06	50	2469	0.24	ug/l	94
5) Bromomethane	2.57	94	3459	Below	Cal	89
10) Methyl Iodide	3.96	142	903	6.45	ug/l #	56
11) Tert butyl alcohol	4.79	59	686	1.42	ug/l #	72
16) Acetone	3.83	43	10241	Below	Cal	95
17) Carbon Disulfide	4.05	76	5078	0.21	ug/l #	75
18) Methyl Acetate	4.34	43	10525	1.47	ug/l #	72
20) Methylene Chloride	4.56	84	11971	1.40	ug/l	93
25) 2-Butanone	6.85	43	7430	2.44	ug/l	93
29) Tetrahydrofuran	7.23	42	863	0.49	ug/l #	45
31) Cyclohexane	7.67	56	10199	1.25	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40947	3.54	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55335	4.74	ug/l #	16
43) Isopropyl Acetate	8.17	43	223696	19.61	ug/l	99
48) Methyl methacrylate	9.18	41	7251	1.25	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2321	0.34	ug/l	99
56) Ethyl methacrylate	10.43	69	186	2.37	ug/l #	11
59) 2-Hexanone	10.77	43	19340	4.27	ug/l	67
70) Styrene	11.97	104	1032	1.31	ug/l	89
74) N-amyl acetate	12.07	43	1322	0.23	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.49	83	297	Below	Cal #	85
76) 1,2,3-Trichloropropane	12.40	75	168598	35.14	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168598	118.79	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	2140	0.20	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	2140	0.21	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	2294	0.23	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.26	75	300	0.37	ug/l #	43
93) 1,2,4-Trichlorobenzene	14.91	180	3058	4.62	ug/l	92
94) Hexachlorobutadiene	15.02	225	1587	Below	Cal	90
95) Naphthalene	15.14	128	7419	6.00	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.32	180	3236	3.91	ug/l	97

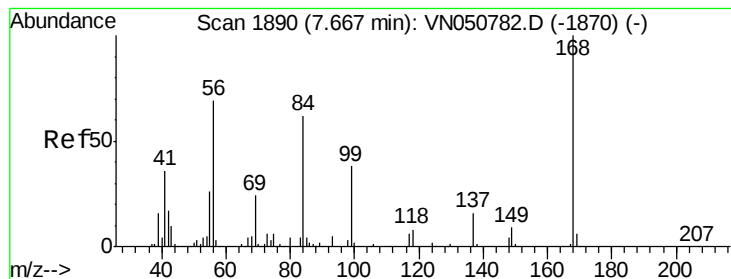
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 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: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

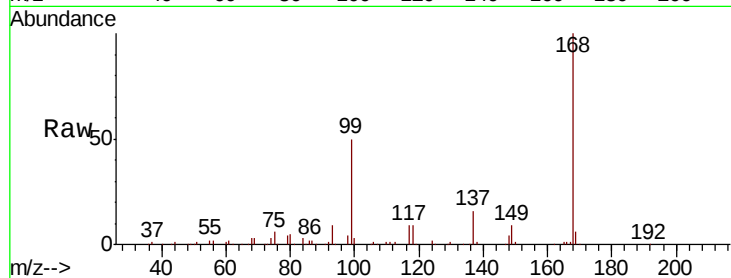
PB112553ZHE#01

Tot Ion:168 Resp: 628556

Ion Ratio Lower Upper

168 100

99 49.5 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

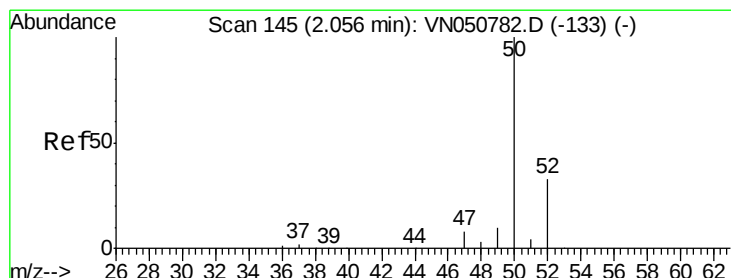
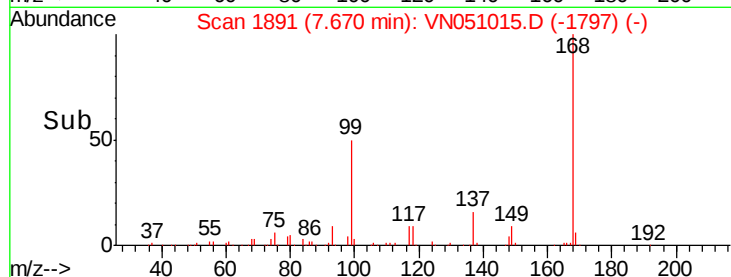
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN051015.D

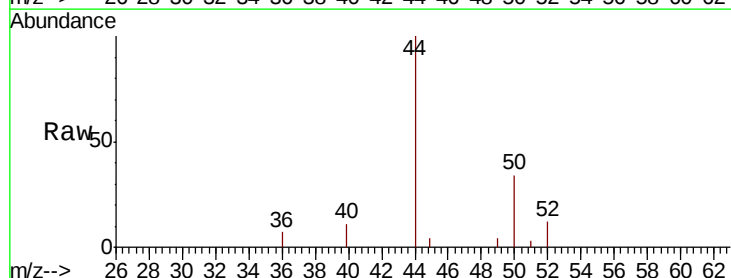
Acq: 4 Sep 2018 13:27

Tgt Ion: 50 Resp: 2469

Ion Ratio Lower Upper

50 100

52 36.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

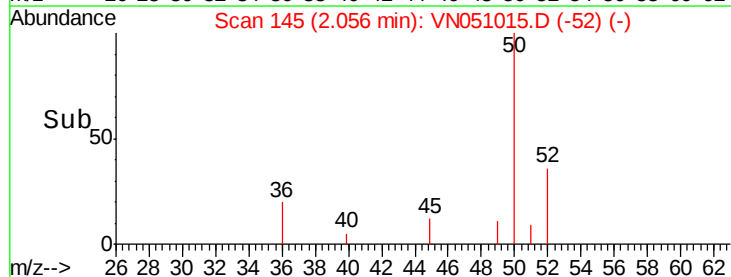
1500

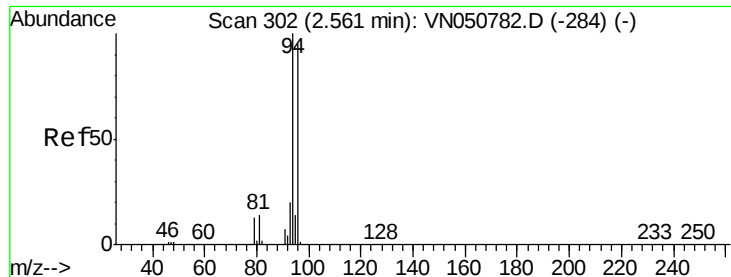
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

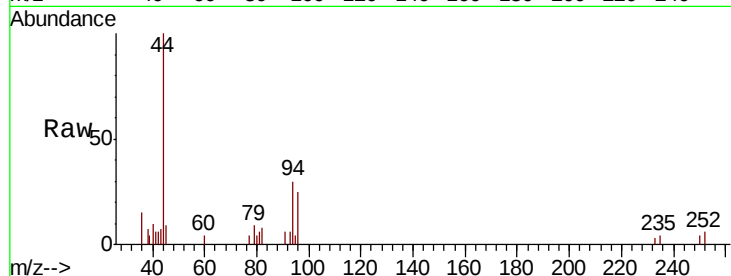
PB112553ZHE#01

Tot Ion: 94 Resp: 3459

Ion Ratio Lower Upper

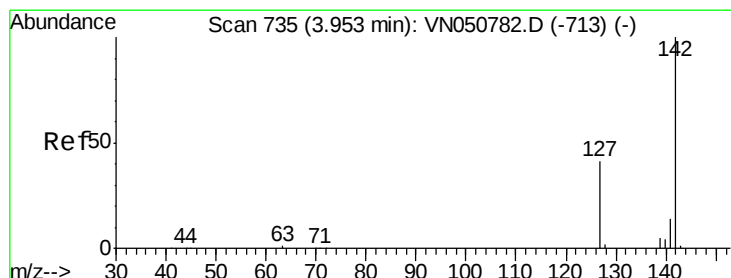
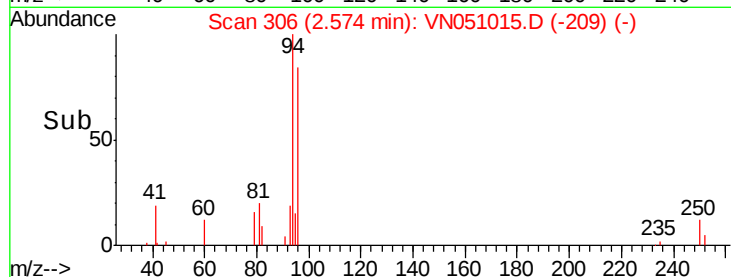
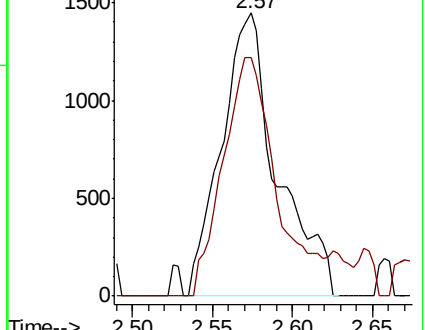
94 100

96 84.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051015.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN051015.D (-284) (-)



#10

Methyl Iodide

Concen: 6.45 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

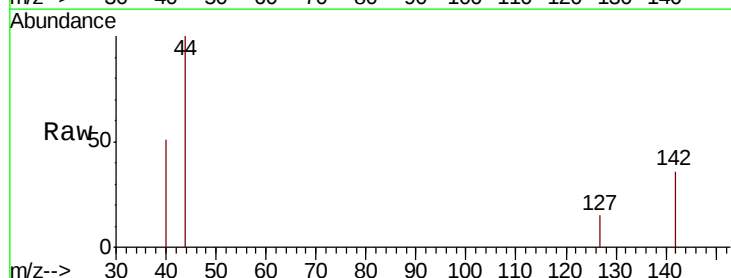
Tgt Ion: 142 Resp: 903

Ion Ratio Lower Upper

142 100

127 10.6 31.7 47.5#

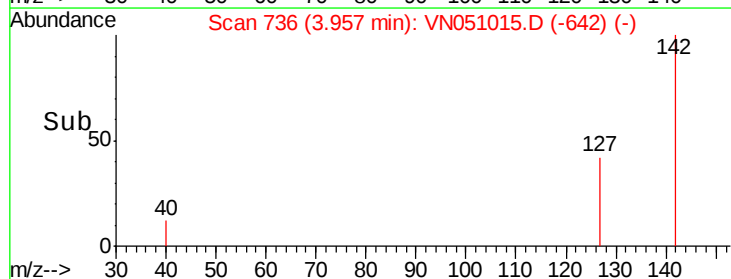
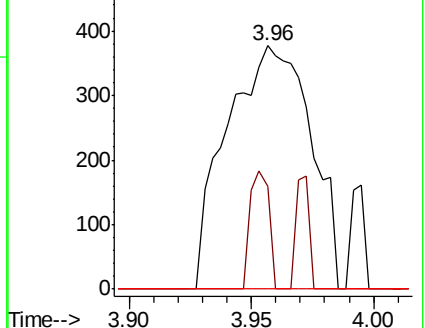
141 0.0 11.4 17.0#

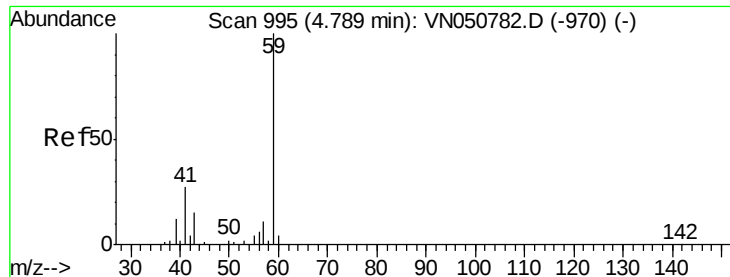


Abundance Ion 141.80 (141.50 to 142.50): VN051015.D (-642) (-)

Ion 126.80 (126.50 to 127.50): VN051015.D (-642) (-)

Ion 140.80 (140.50 to 141.50): VN051015.D (-642) (-)

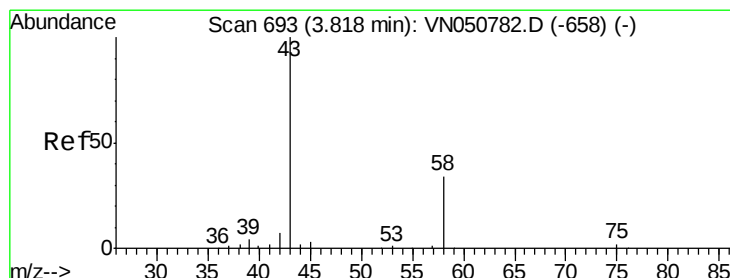
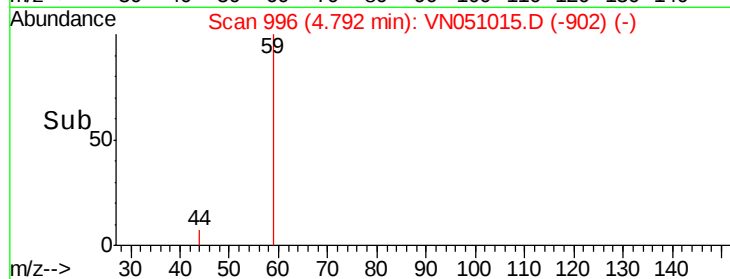
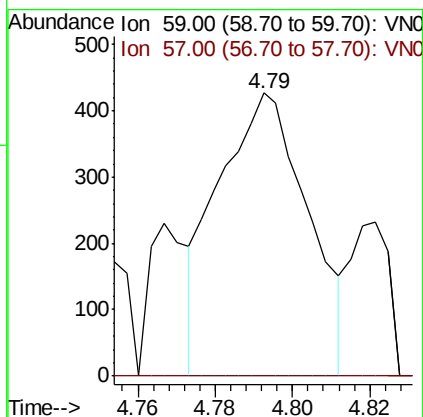
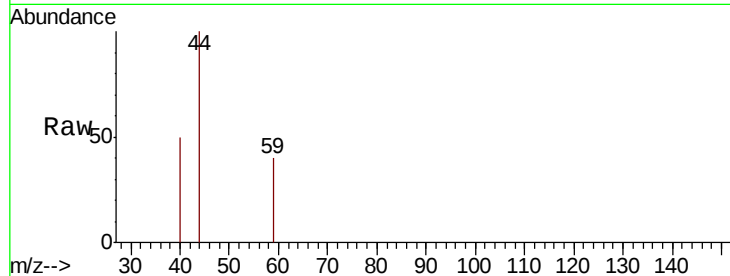




#11
Tert butyl alcohol
Concen: 1.42 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

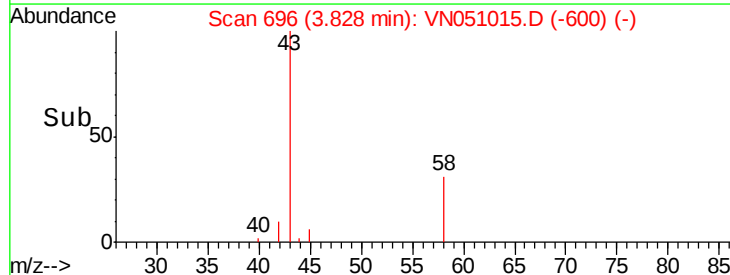
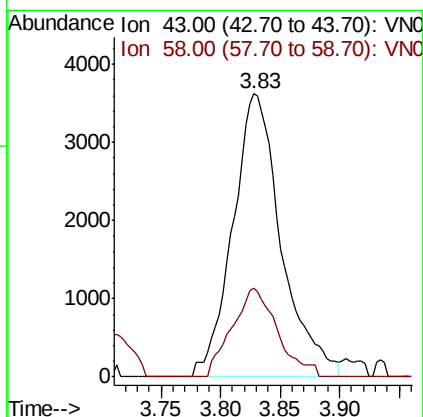
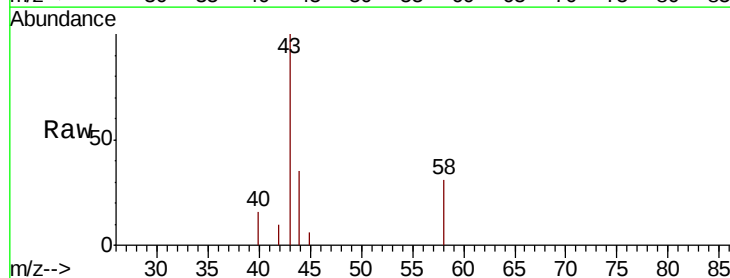
Instrument :
MSVOA_N
ClientSampleId :
PB112553ZHE#01

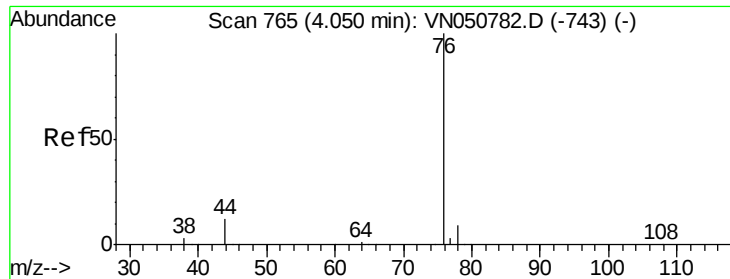
Tot Ion: 59 Resp: 686
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

Tgt Ion: 43 Resp: 10241
Ion Ratio Lower Upper
43 100
58 31.2 27.2 40.8





#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

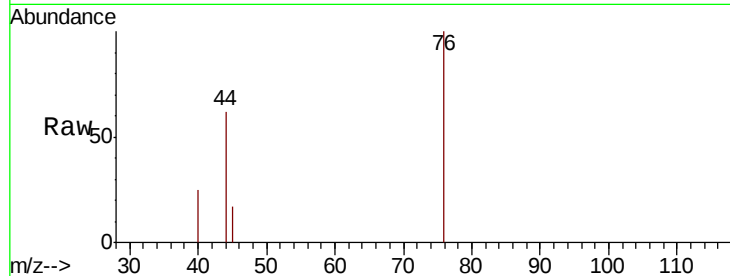
PB112553ZHE#01

Tot Ion: 76 Resp: 5078

Ion Ratio Lower Upper

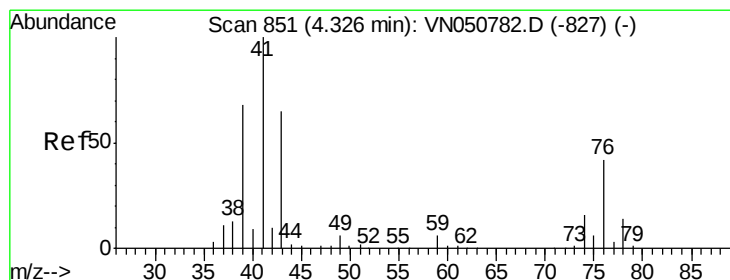
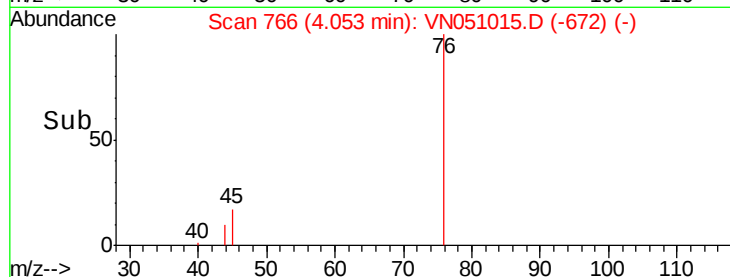
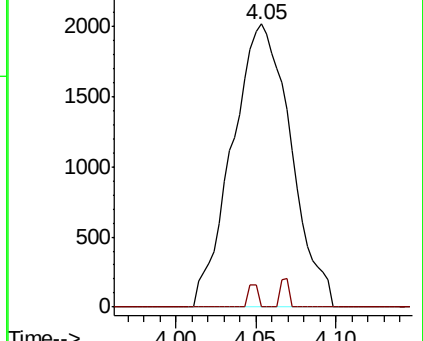
76 100

78 0.0 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: 1.47 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN051015.D

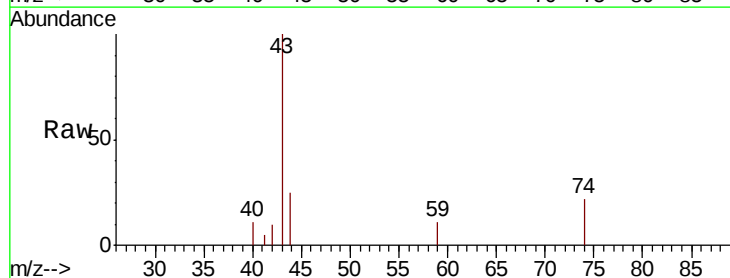
Acq: 4 Sep 2018 13:27

Tgt Ion: 43 Resp: 10525

Ion Ratio Lower Upper

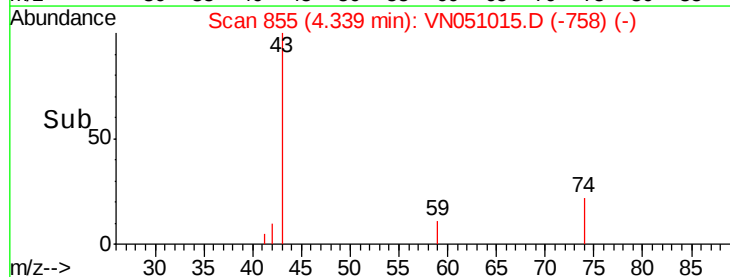
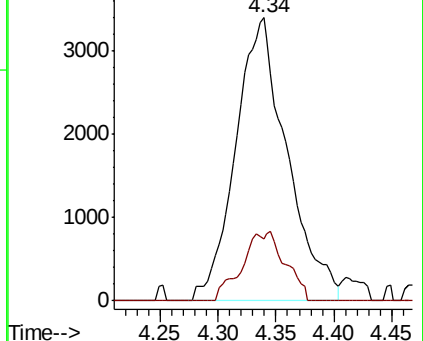
43 100

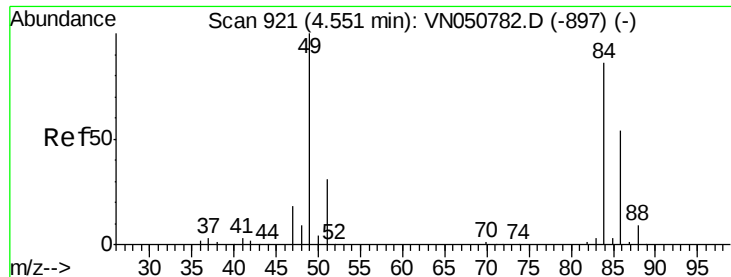
74 10.8 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

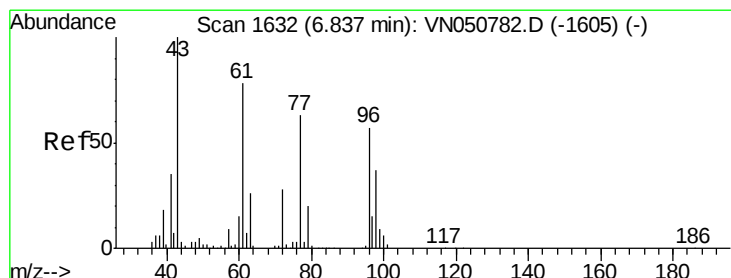
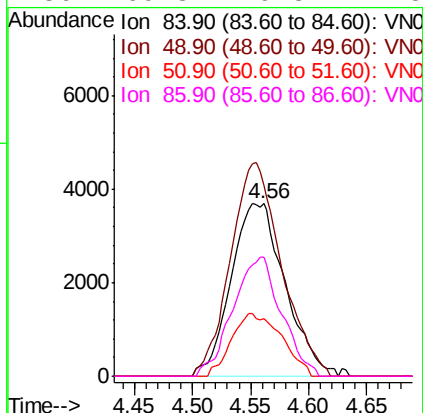
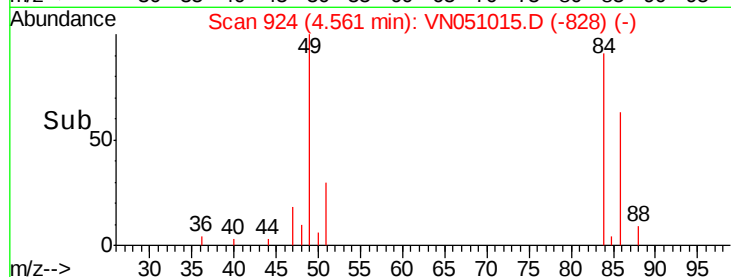
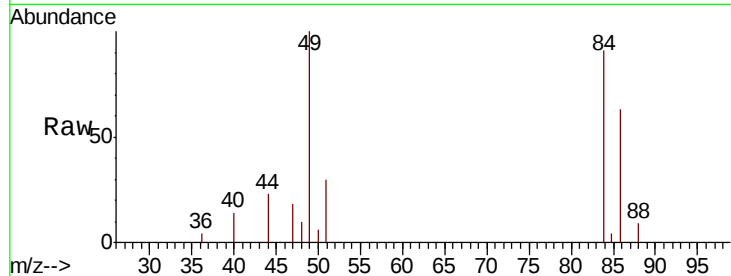




#20
Methvlene Chloride
Concen: 1.40 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

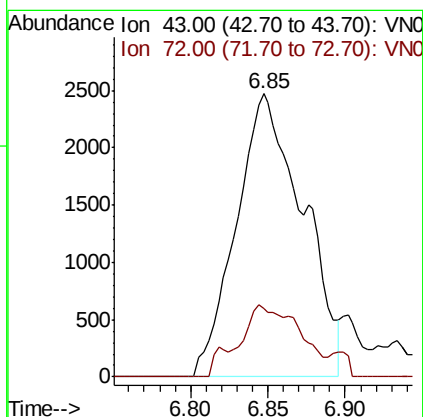
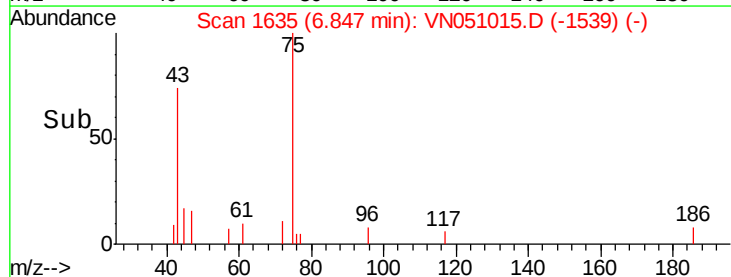
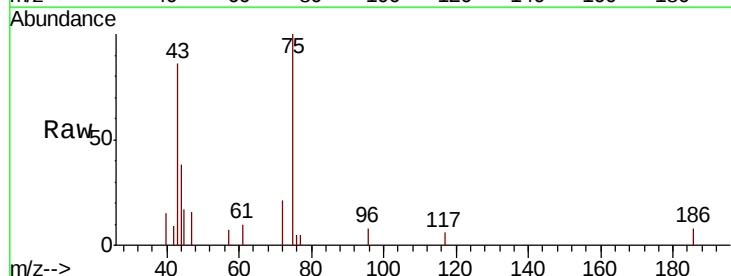
Instrument :
MSVOA_N
ClientSampleId :
PB112553ZHE#01

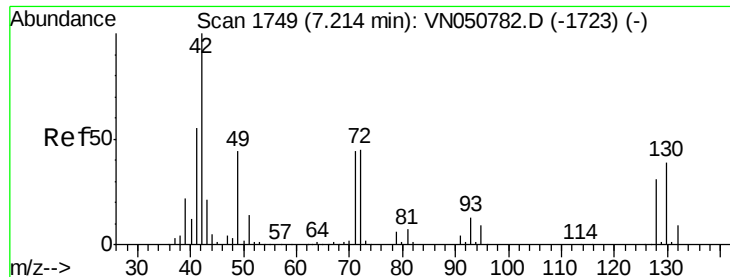
Tot Ion: 84 Resp: 11971
Ion Ratio Lower Upper
84 100
49 110.3 93.2 139.8
51 33.2 29.0 43.6
86 69.3 49.8 74.8



#25
2-Butanone
Concen: 2.44 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

Tgt Ion: 43 Resp: 7430
Ion Ratio Lower Upper
43 100
72 24.0 22.3 33.5





#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 7.23 min Scan# 1755

Delta R.T. 0.02 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

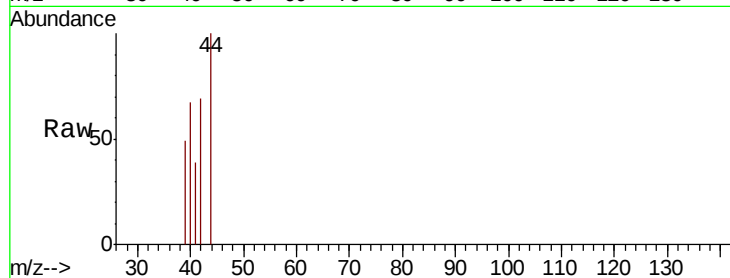
Tot Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 3.5 35.5 53.3#

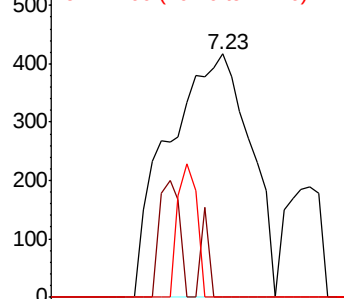
71 13.1 33.7 50.5#



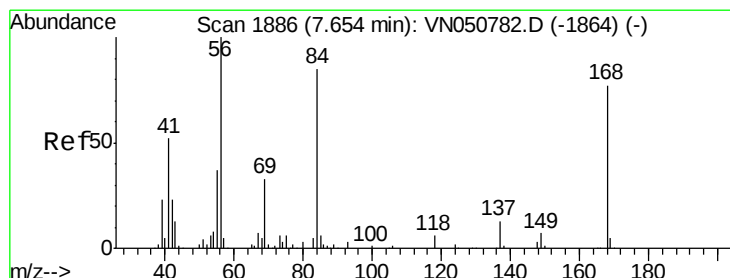
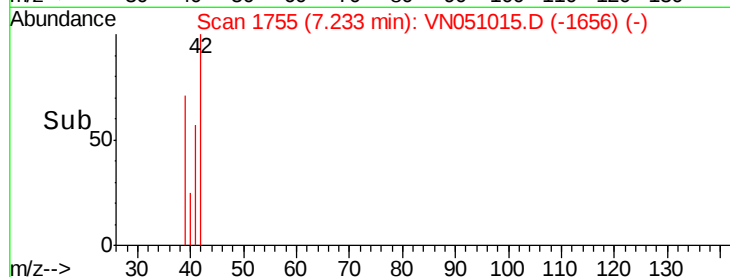
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

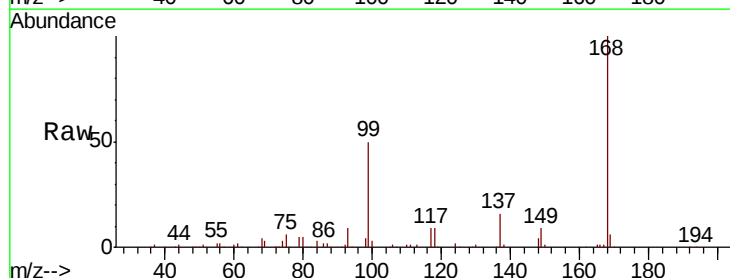
Tgt Ion: 56 Resp: 10199

Ion Ratio Lower Upper

56 100

69 182.9 26.2 39.4#

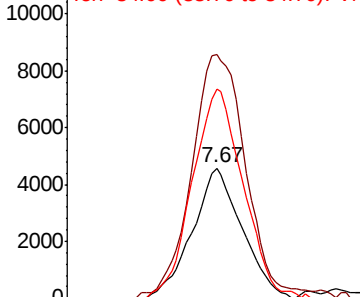
84 160.9 68.3 102.5#



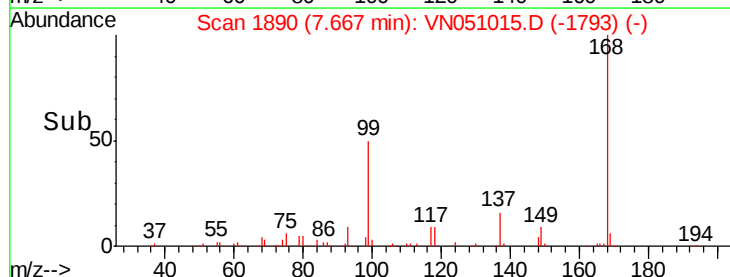
Abundance Ion 56.00 (55.70 to 56.70): VN0

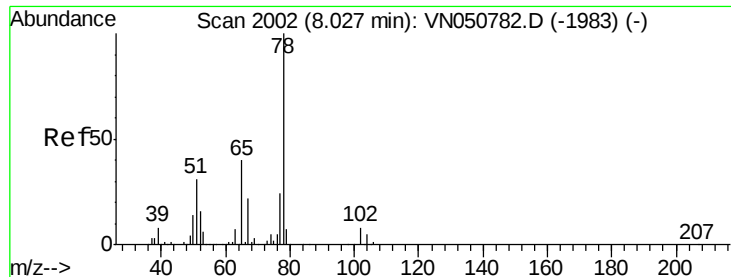
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

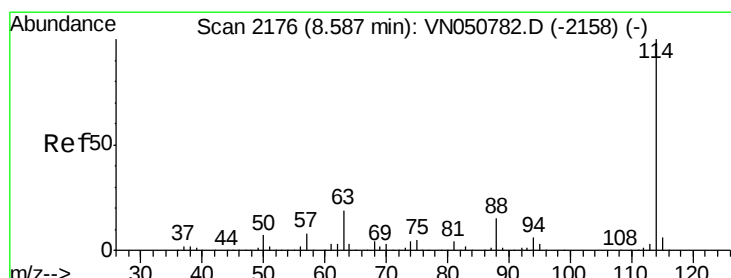
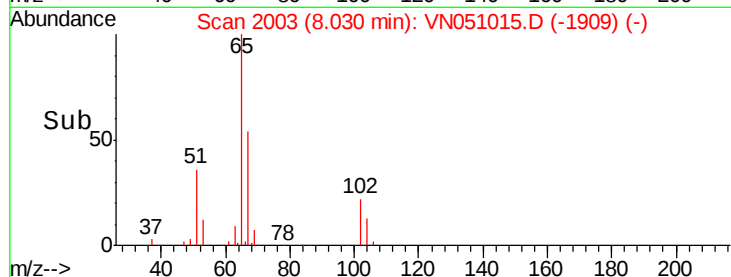
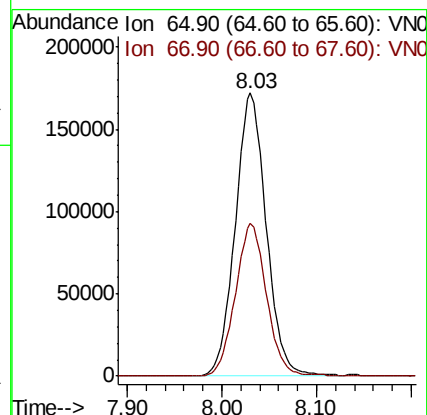
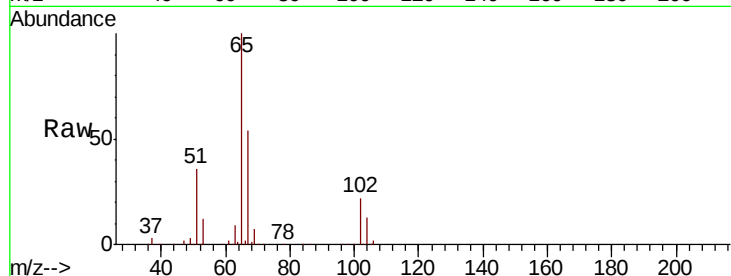




#33
 1,2-Dichloroethane-d4
 Concen: 51.79 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN051015.D
 Acq: 4 Sep 2018 13:27

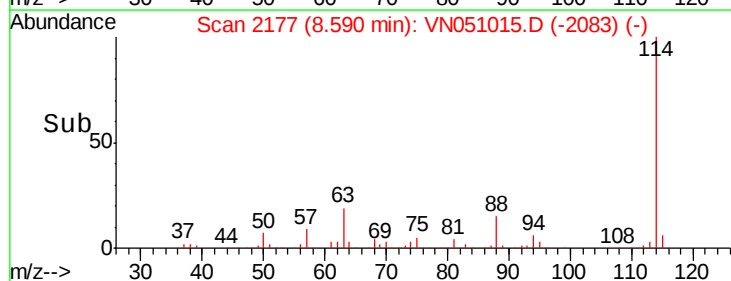
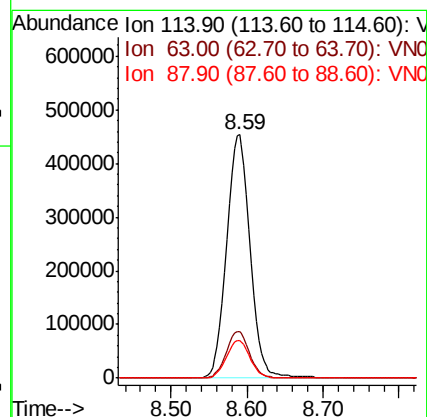
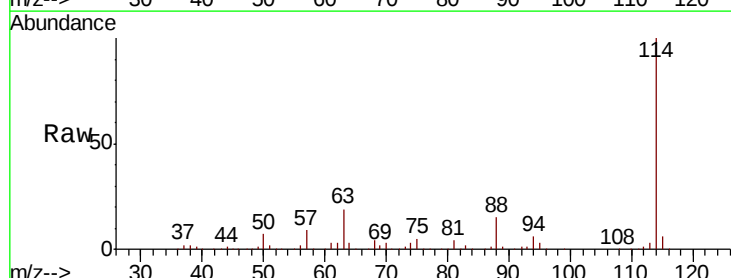
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112553ZHE#01

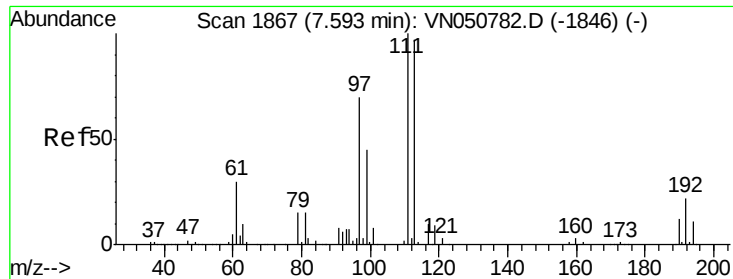
Tot Ion: 65 Resp: 391926
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN051015.D
 Acq: 4 Sep 2018 13:27

Tgt Ion: 114 Resp: 978879
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.5 0.0 30.6

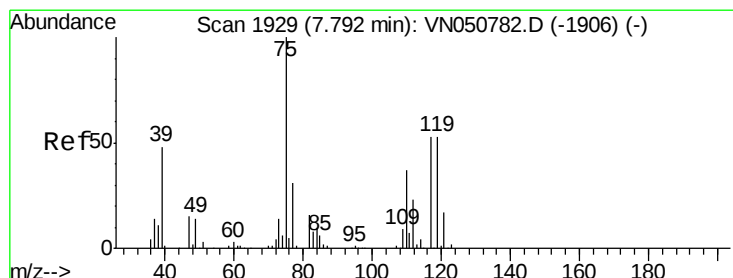
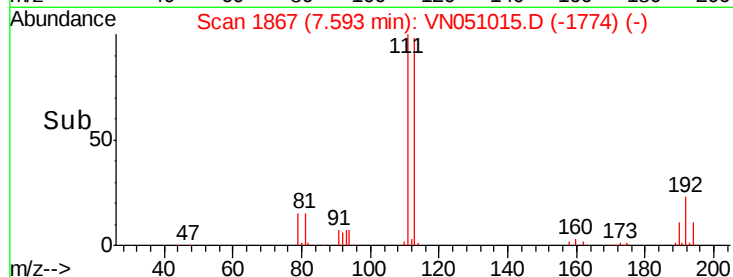
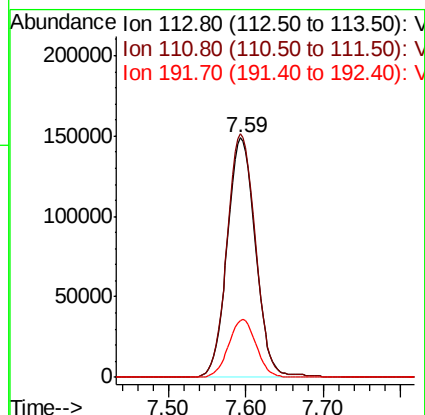
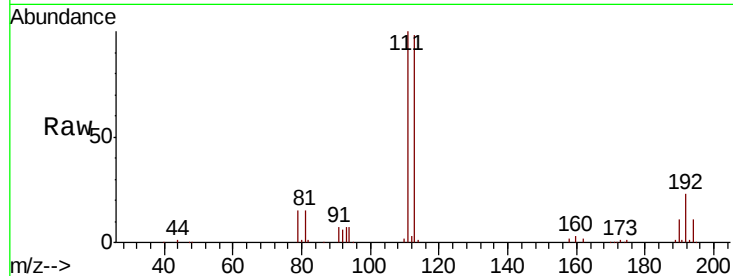




#35
 Dibromofluoromethane
 Concen: 48.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN051015.D
 Acq: 4 Sep 2018 13:27

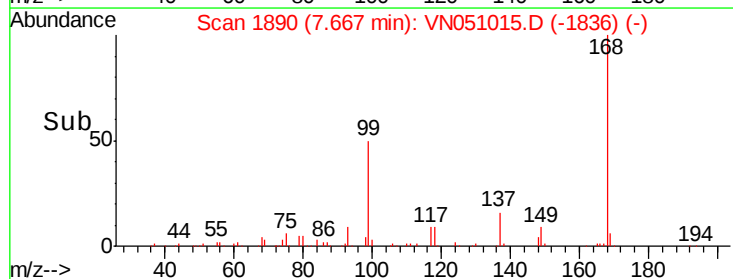
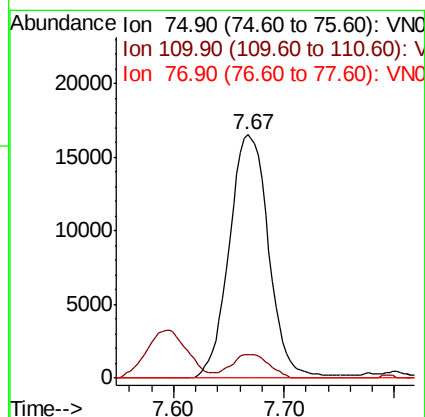
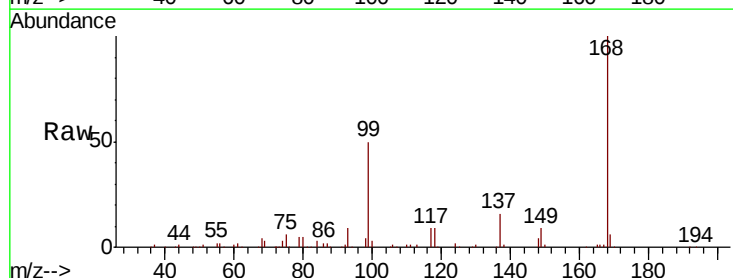
Instrument :
 MSVOA_N
 ClientSampleId :
 PB112553ZHE#01

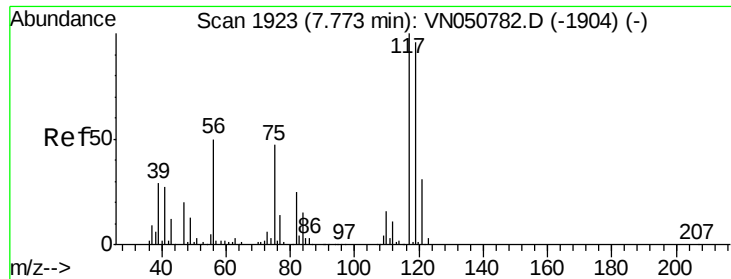
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	123.8
192	23.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.54 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN051015.D
 Acq: 4 Sep 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	24.8	37.2#

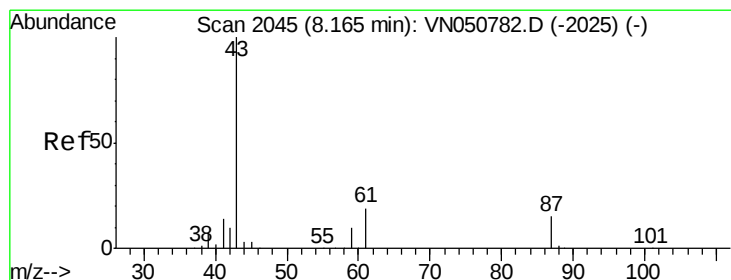
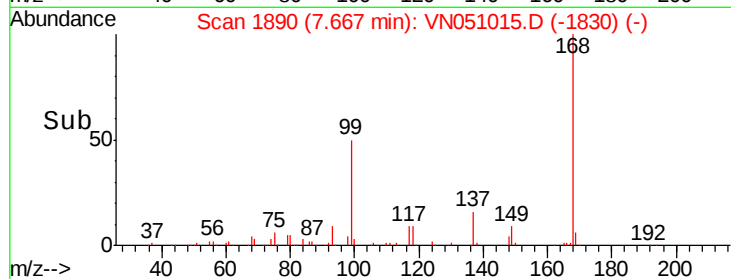
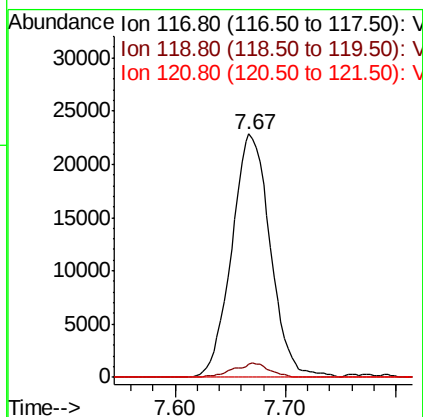
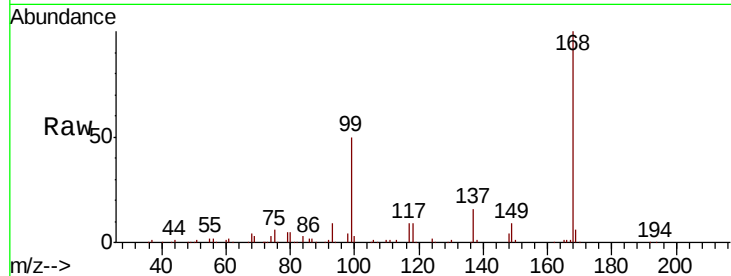




#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

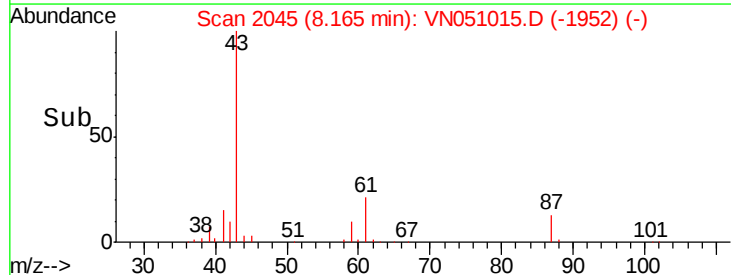
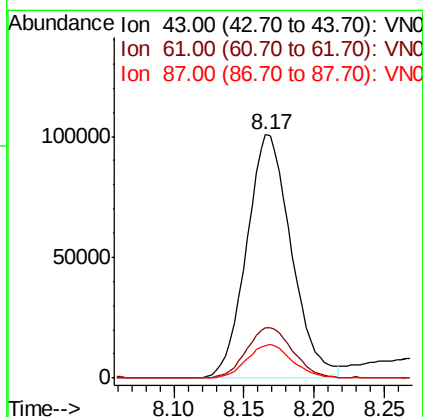
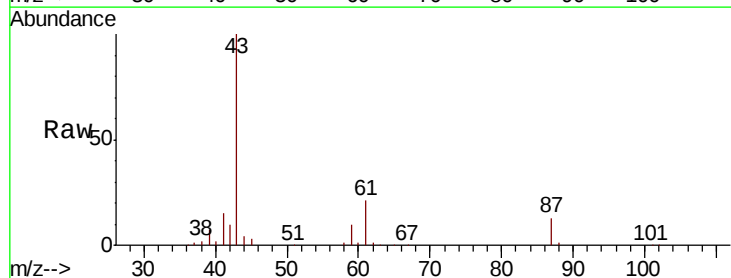
Instrument :
MSVOA_N
ClientSampleId :
PB112553ZHE#01

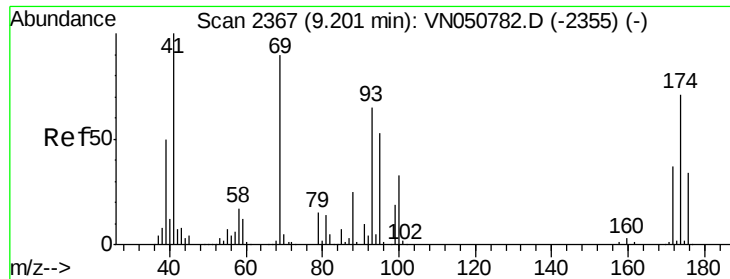
Tot Ion:117 Resp: 55335
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 19.61 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

Tgt Ion: 43 Resp: 223696
Ion Ratio Lower Upper
43 100
61 21.4 17.5 26.3
87 14.0 11.3 16.9

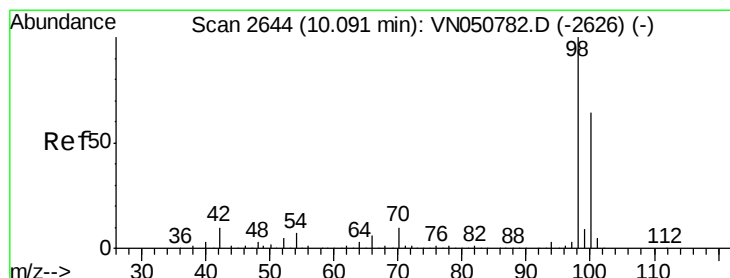
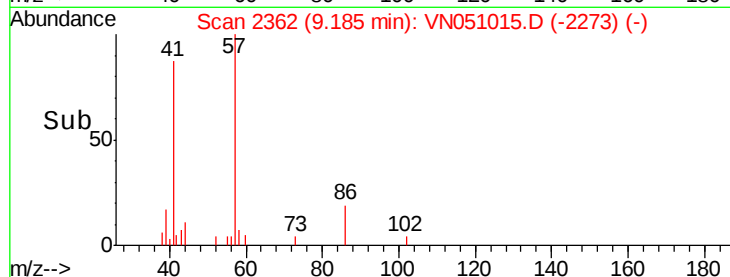
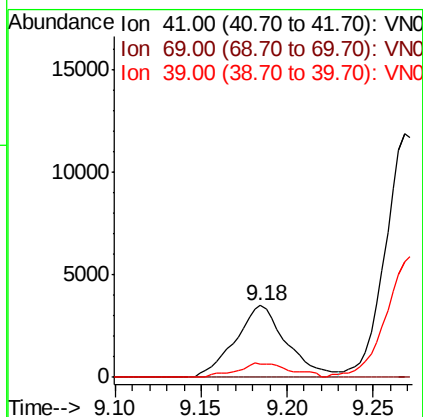
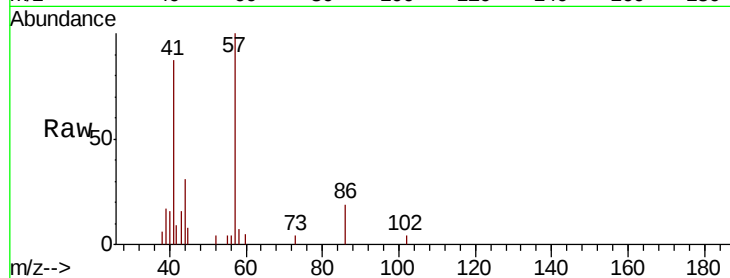




#48
Methvl methacrylate
Concen: 1.25 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

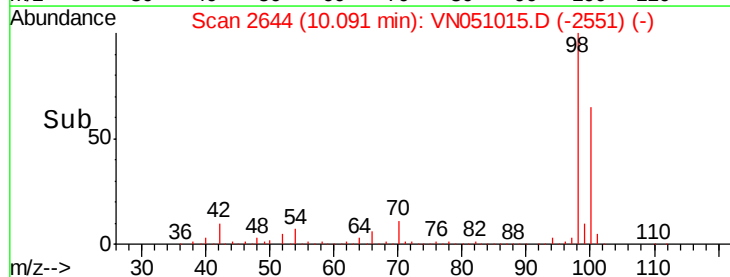
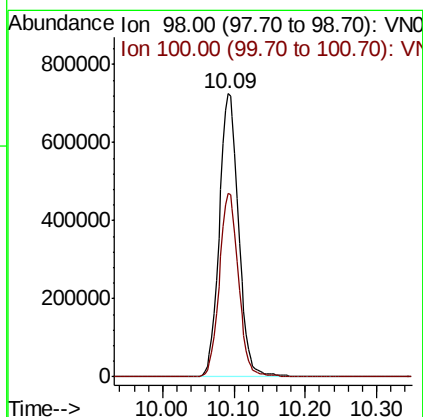
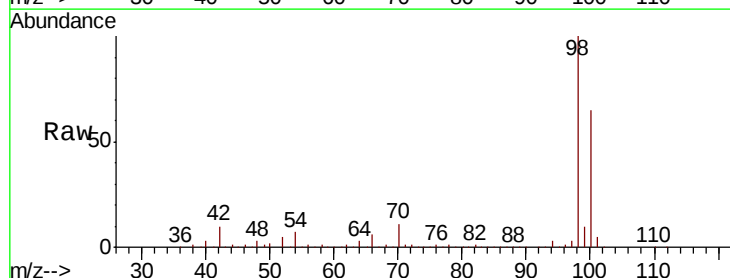
Instrument :
MSVOA_N
ClientSampleId :
PB112553ZHE#01

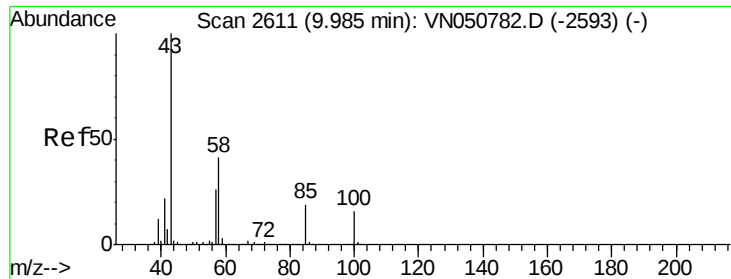
Tot Ion: 41 Resp: 7251
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 19.9 42.2 63.2#



#50
Toluene-d8
Concen: 46.67 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

Tgt Ion: 98 Resp: 1358952
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

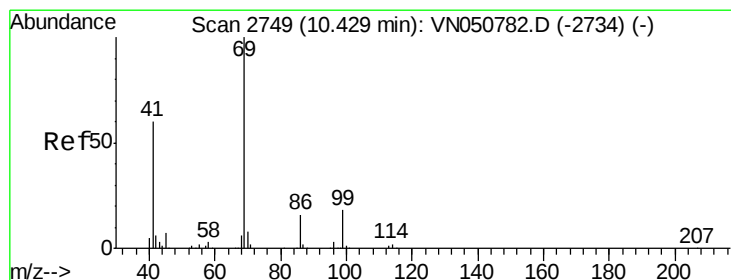
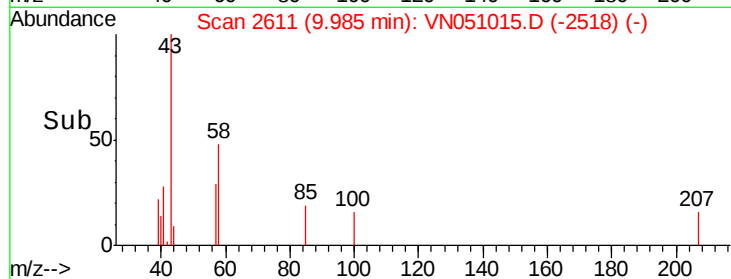
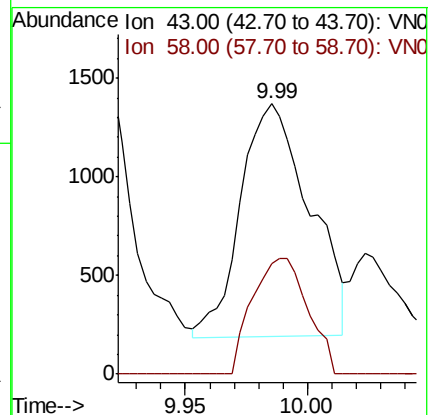
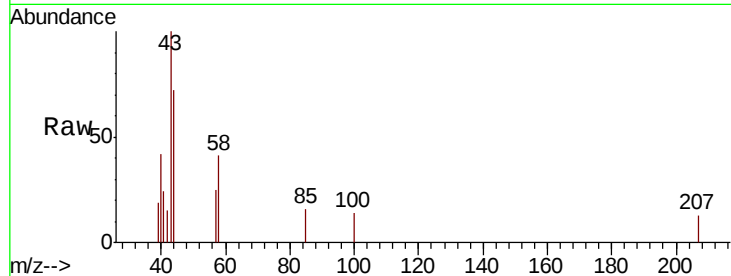
PB112553ZHE#01

Tot Ion: 43 Resp: 2321

Ion Ratio Lower Upper

43 100

58 39.7 32.4 48.6



#56

Ethyl methacrylate

Concen: 2.37 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

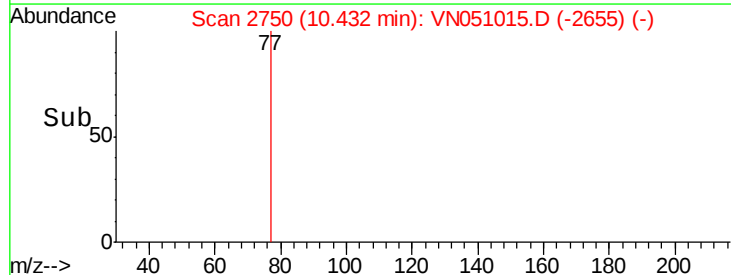
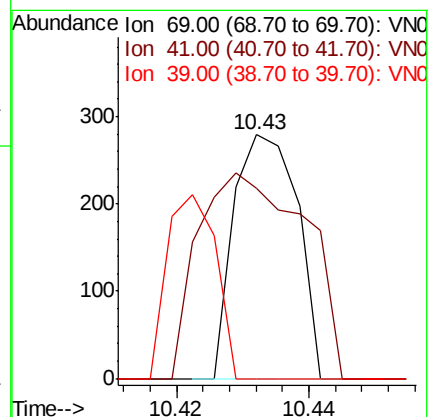
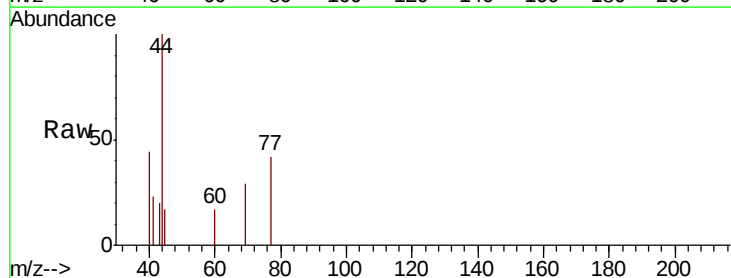
Tgt Ion: 69 Resp: 186

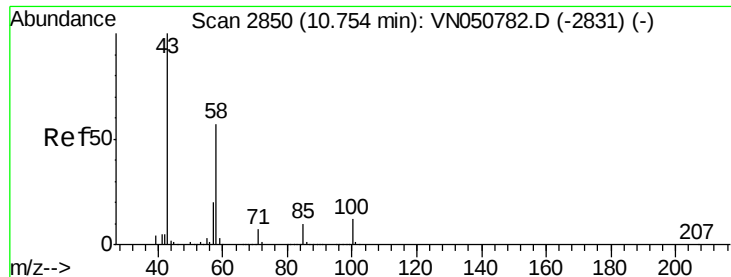
Ion Ratio Lower Upper

69 100

41 141.9 48.3 72.5#

39 58.1 24.0 36.0#





#59

2-Hexanone

Concen: 4.27 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

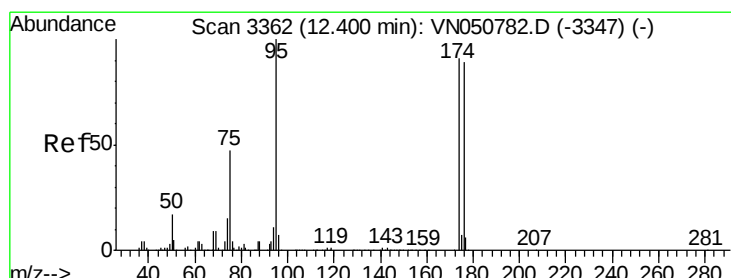
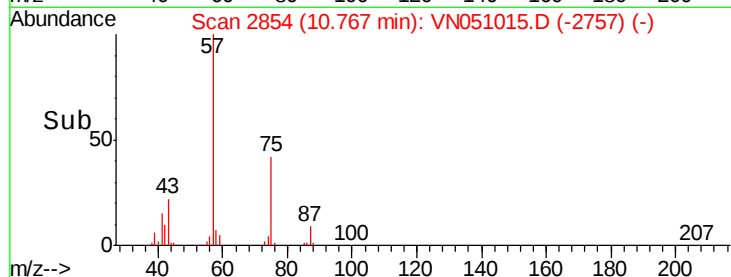
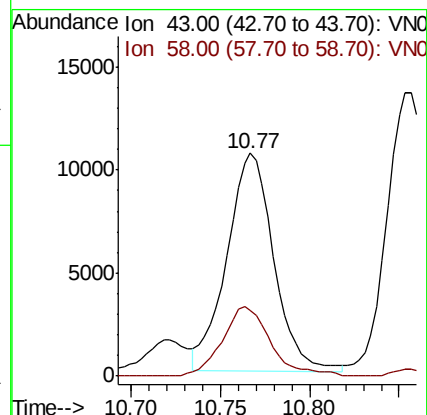
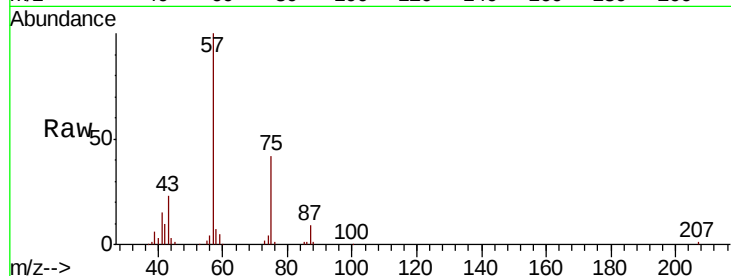
PB112553ZHE#01

Tot Ion: 43 Resp: 19340

Ion Ratio Lower Upper

43 100

58 32.8 28.3 85.0



#62

4-Bromofluorobenzene

Concen: 37.67 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

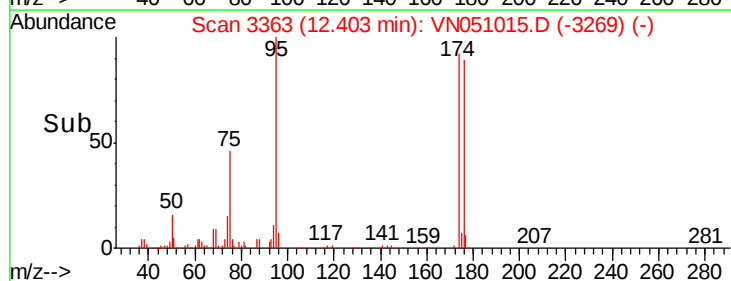
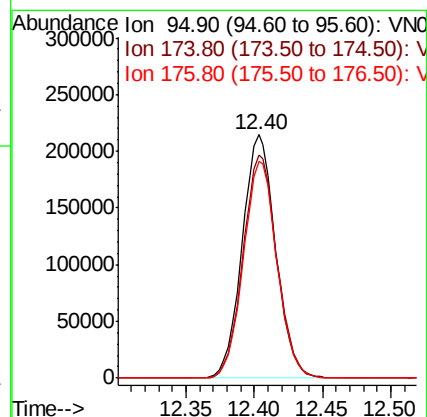
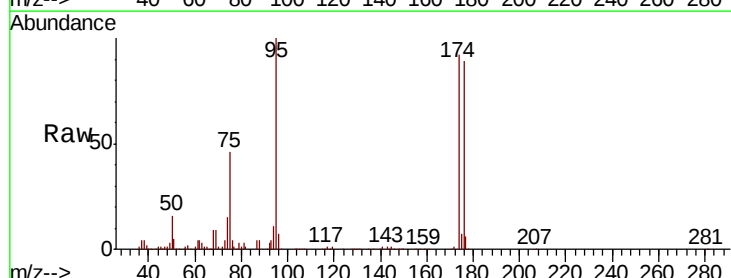
Tgt Ion: 95 Resp: 364420

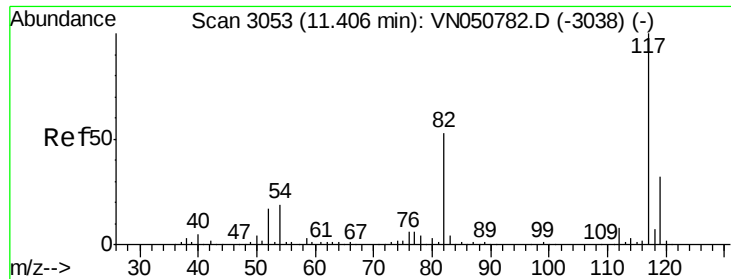
Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.0

176 89.3 0.0 178.8

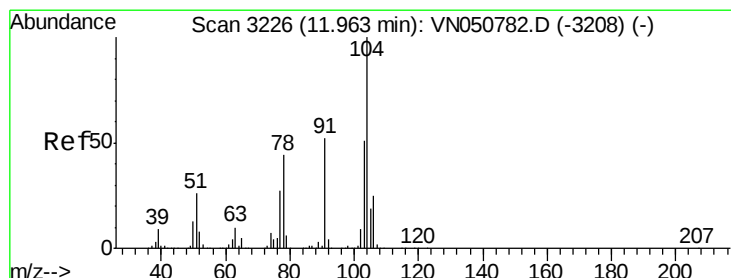
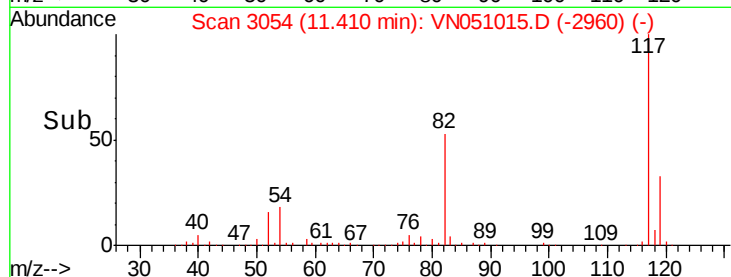
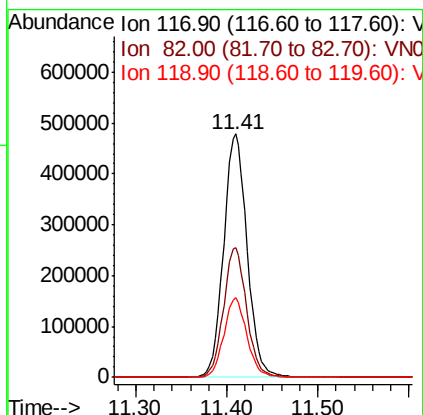
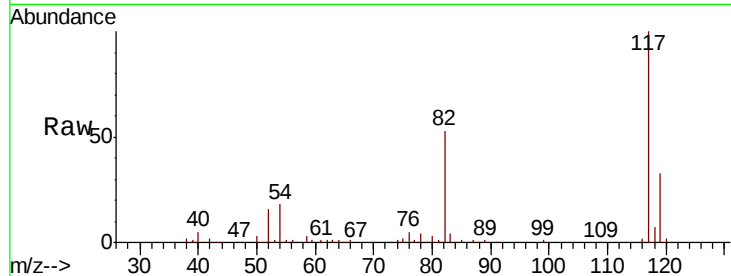




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

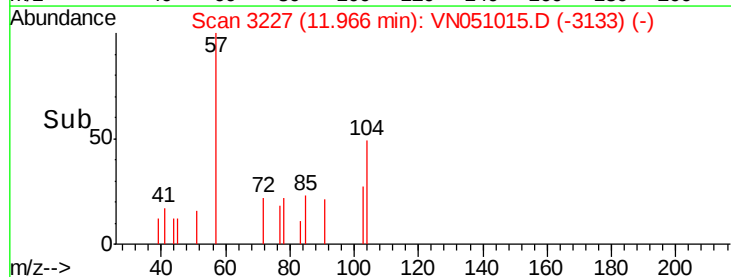
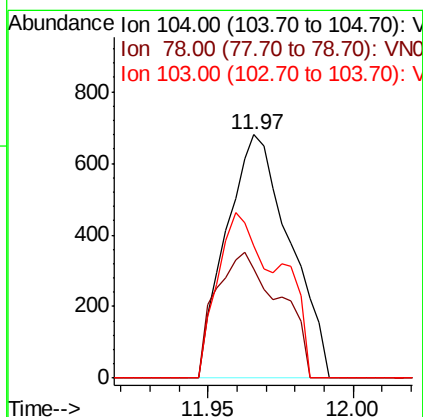
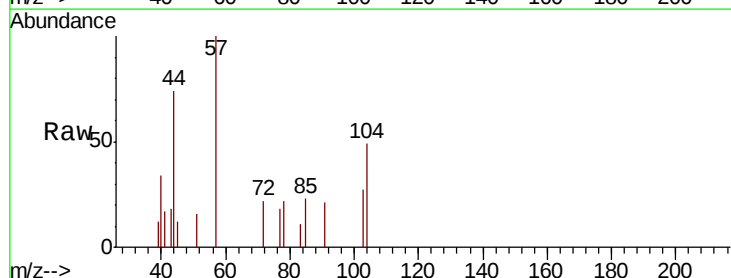
Instrument :
MSVOA_N
ClientSampleId :
PB112553ZHE#01

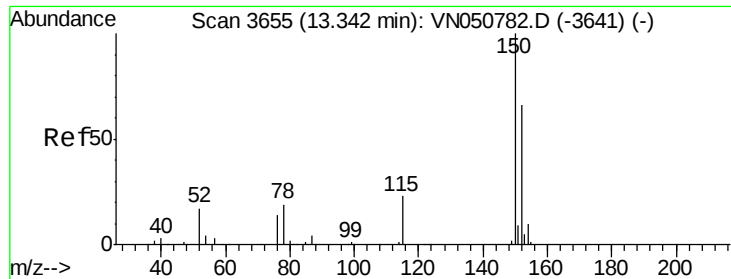
Tot Ion:117 Resp: 854828
Ion Ratio Lower Upper
117 100
82 53.4 42.6 64.0
119 32.6 25.8 38.6



#70
Styrene
Concen: 1.31 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN051015.D
Acq: 4 Sep 2018 13:27

Tgt Ion:104 Resp: 1032
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.4
103 66.4 44.4 66.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

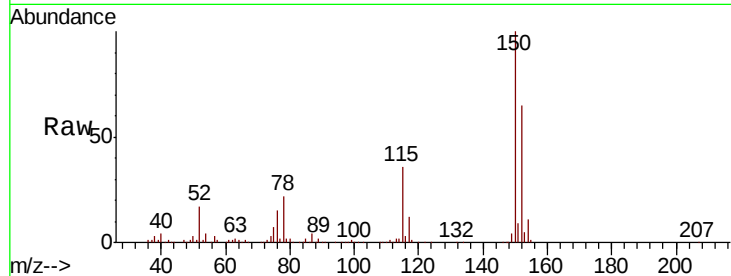
Tot Ion:152 Resp: 273936

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

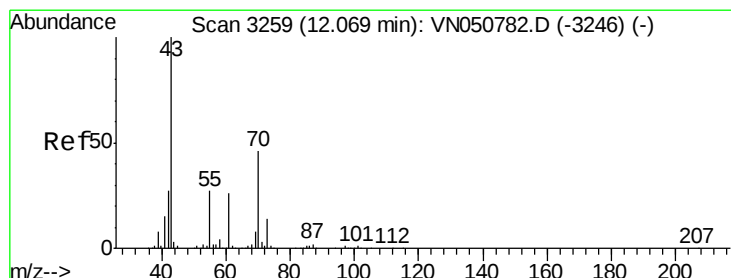
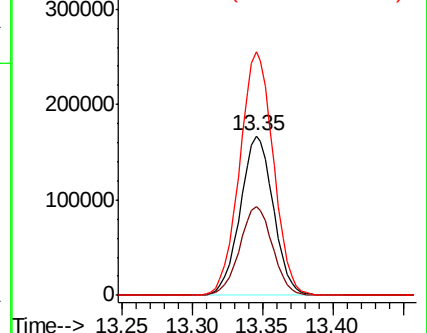
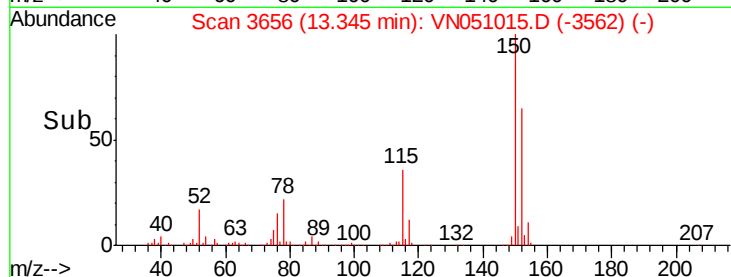
150 155.6 0.0 351.4



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



#74

N-ethyl acetate

Concen: 0.23 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Tgt Ion: 43 Resp: 1322

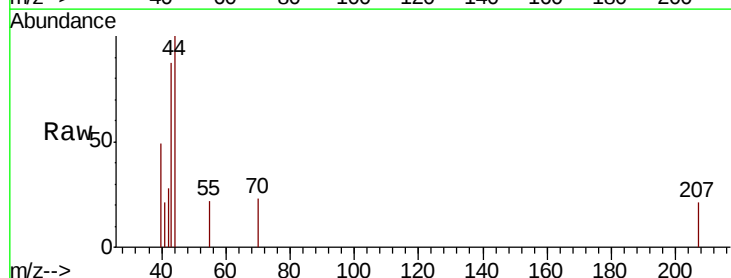
Ion Ratio Lower Upper

43 100

70 24.7 36.2 54.2#

55 10.5 21.8 32.8#

61 8.5 20.5 30.7#

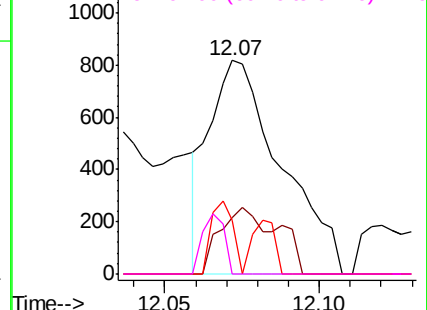
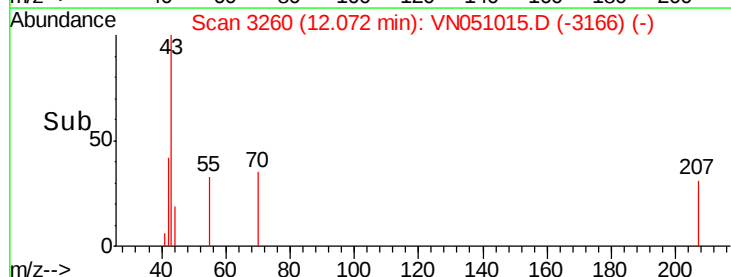


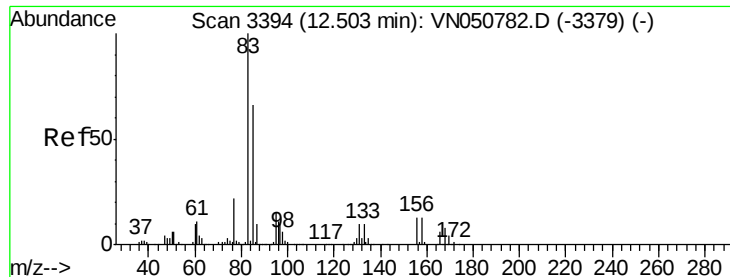
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

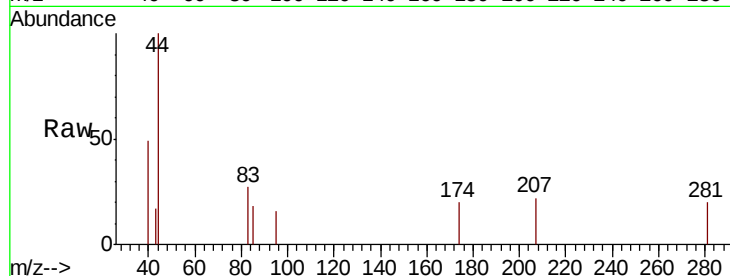
Tot Ion: 83 Resp: 297

Ion Ratio Lower Upper

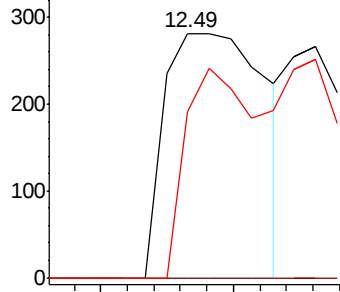
83 100

131 0.0 5.3 15.9#

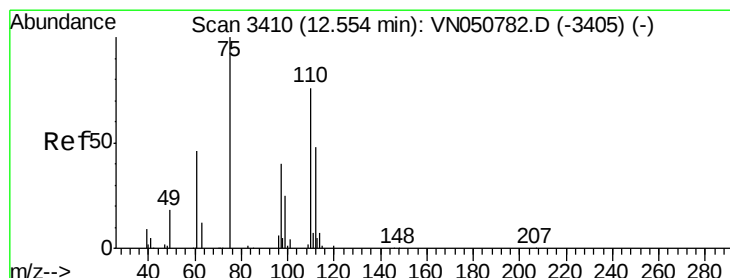
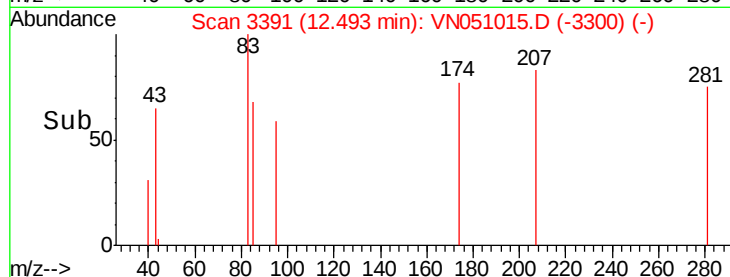
85 54.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 35.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN051015.D

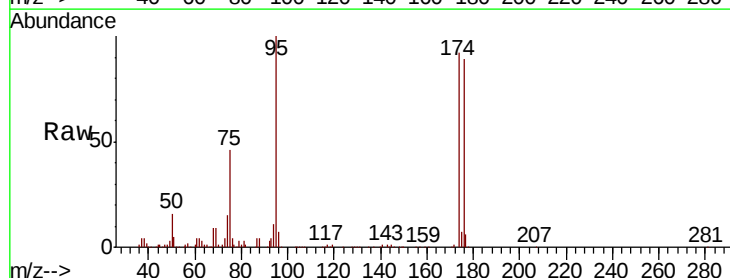
Acq: 4 Sep 2018 13:27

Tgt Ion: 75 Resp: 168598

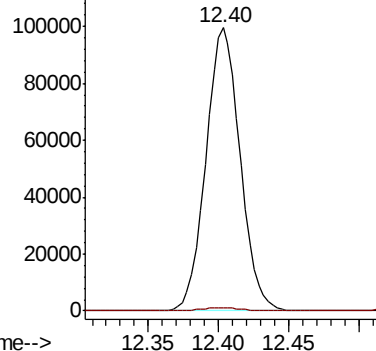
Ion Ratio Lower Upper

75 100

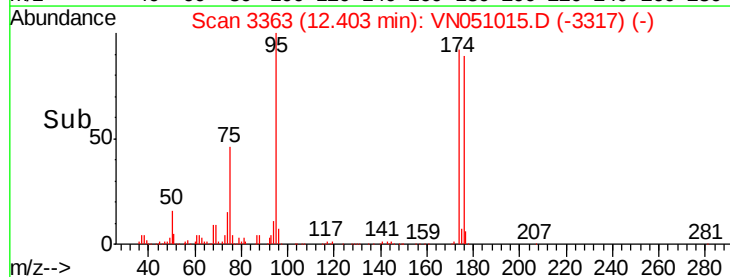
77 1.2 0.0 0.0#

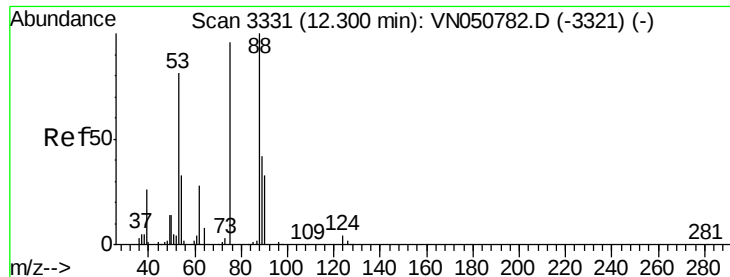


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 118.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

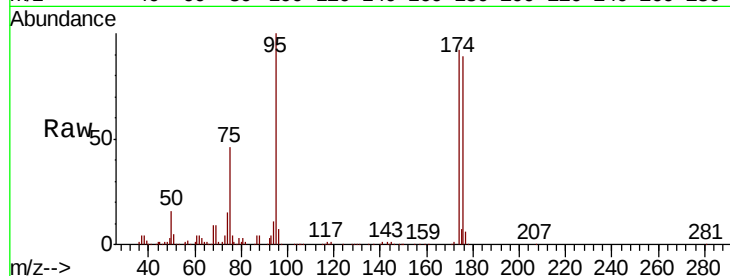
Tot Ion: 75 Resp: 168598

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

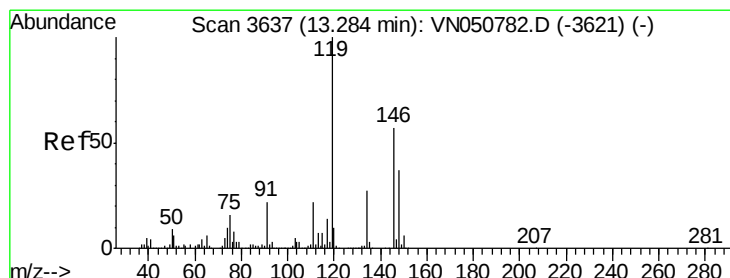
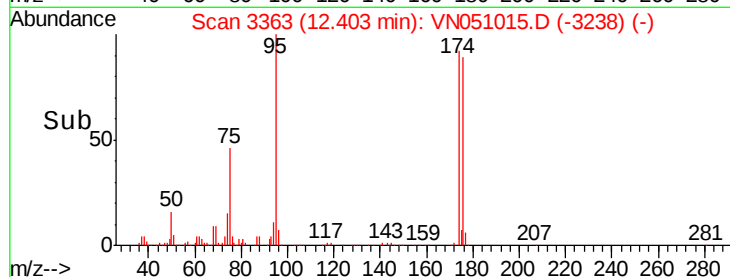
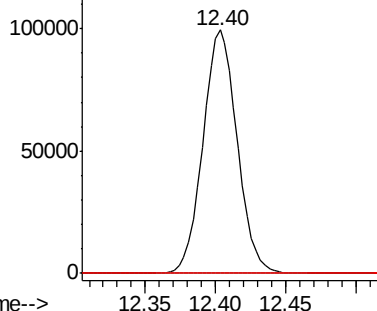
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051015.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN051015.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN051015.D (-3363) (-)



#87

1,3-Dichlorobenzene

Concen: 0.20 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

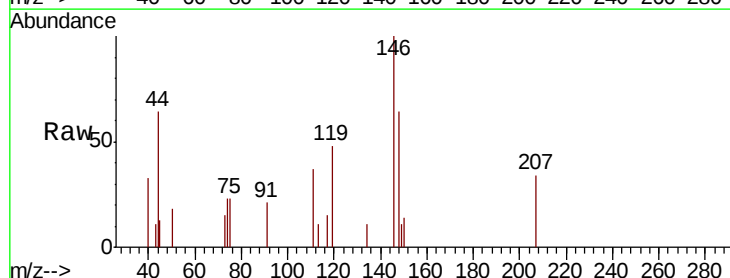
Tgt Ion: 146 Resp: 2140

Ion Ratio Lower Upper

146 100

111 36.8 19.1 57.3

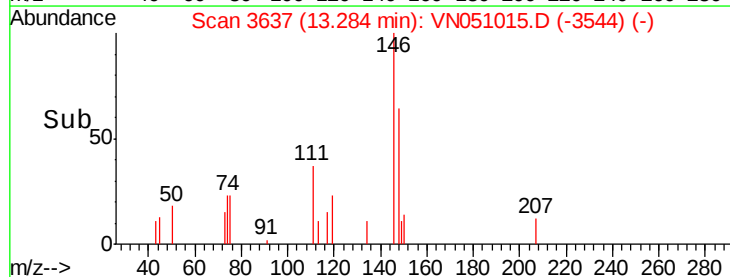
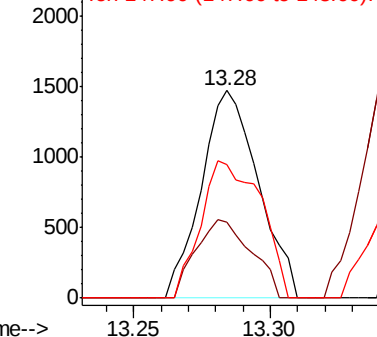
148 69.8 32.2 96.6

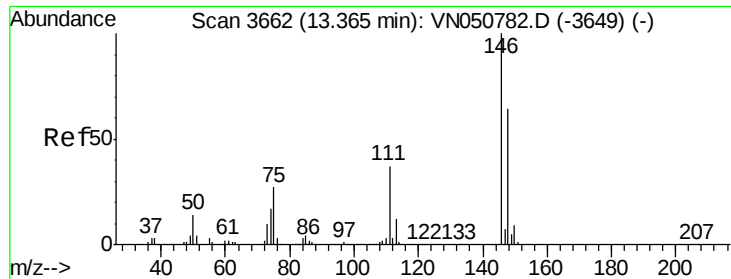


Abundance Ion 145.90 (145.60 to 146.60): VN051015.D (-3637) (-)

Ion 110.90 (110.60 to 111.60): VN051015.D (-3637) (-)

Ion 147.90 (147.60 to 148.60): VN051015.D (-3637) (-)





#88

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.08 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

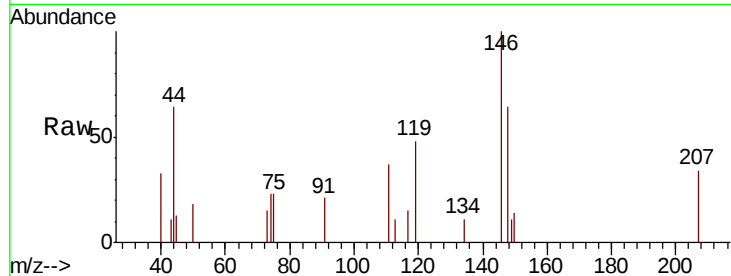
Tot Ion:146 Resp: 2140

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.3

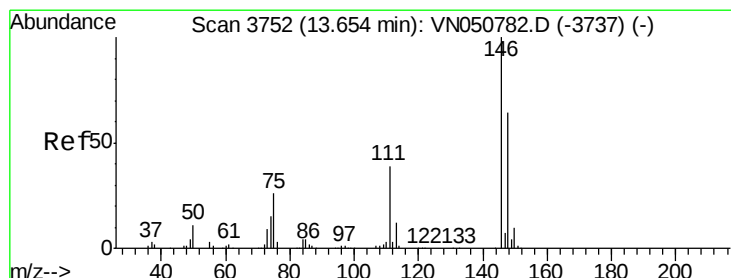
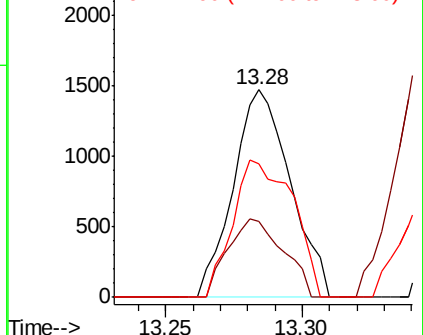
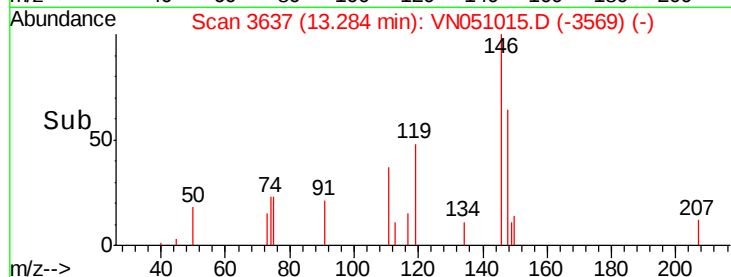
148 69.8 32.2 96.6



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



#91

1,2-Dichlorobenzene

Concen: 0.23 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

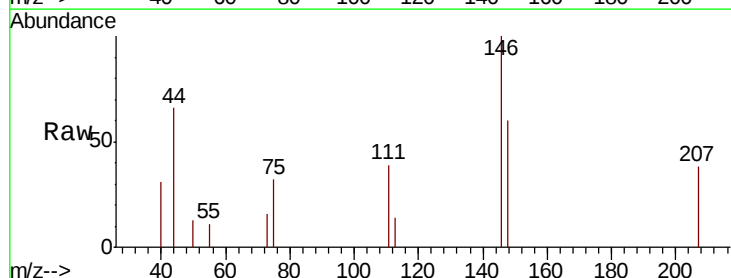
Tgt Ion:146 Resp: 2294

Ion Ratio Lower Upper

146 100

111 34.3 19.8 59.3

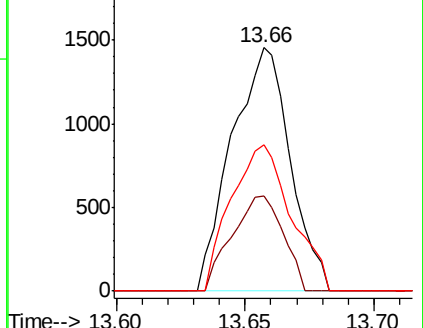
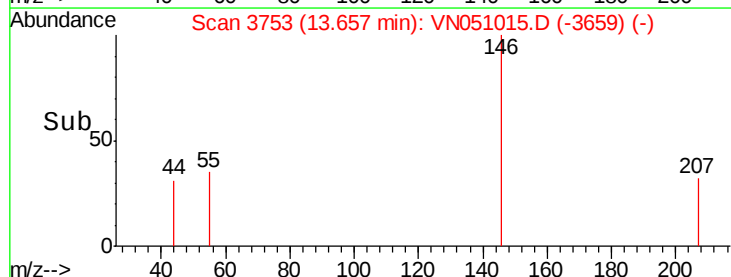
148 61.9 32.3 96.8

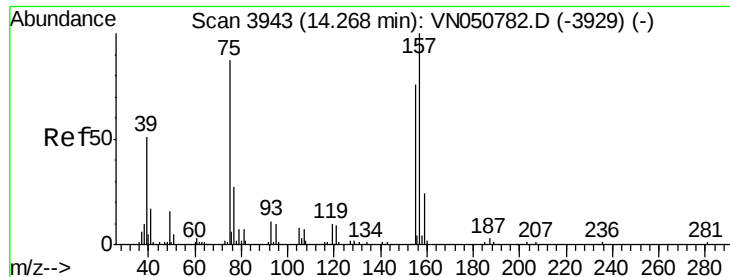


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.37 ug/l

RT: 14.26 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

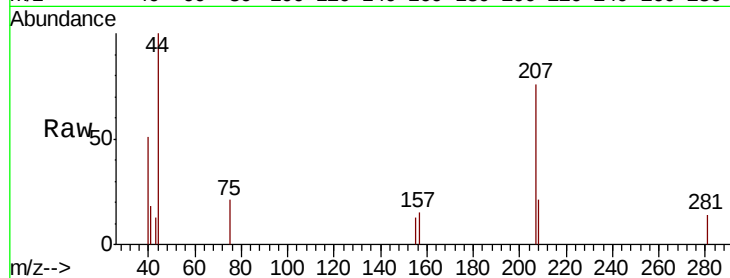
Tot Ion: 75 Resp: 300

Ion Ratio Lower Upper

75 100

155 20.3 46.4 139.1#

157 72.7 60.7 182.0



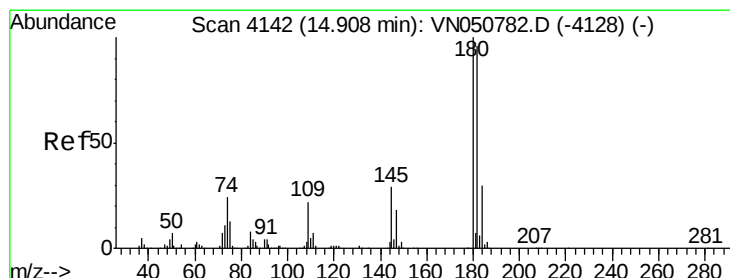
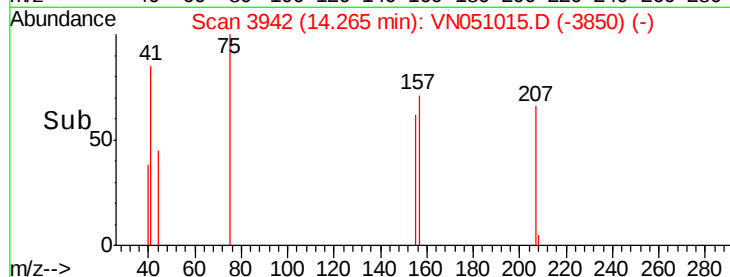
Abundance Ion 74.90 (74.60 to 75.60): VN051015.D (-3850) (-)

Ion 154.80 (154.50 to 155.50): VN051015.D (-3850) (-)

Ion 156.80 (156.50 to 157.50): VN051015.D (-3850) (-)

14.26

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.62 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

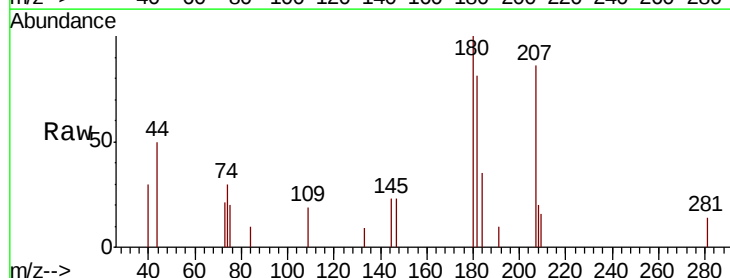
Tgt Ion: 180 Resp: 3058

Ion Ratio Lower Upper

180 100

182 90.6 48.2 144.6

145 19.8 14.1 42.2



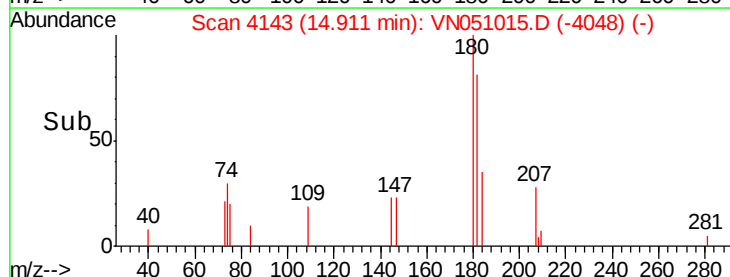
Abundance Ion 179.80 (179.50 to 180.50): VN051015.D (-4048) (-)

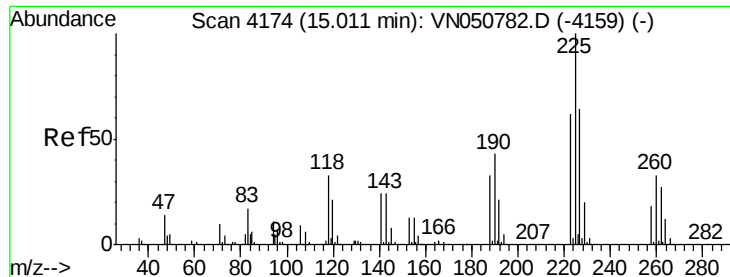
Ion 181.80 (181.50 to 182.50): VN051015.D (-4048) (-)

Ion 144.80 (144.50 to 145.50): VN051015.D (-4048) (-)

14.91

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.01 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

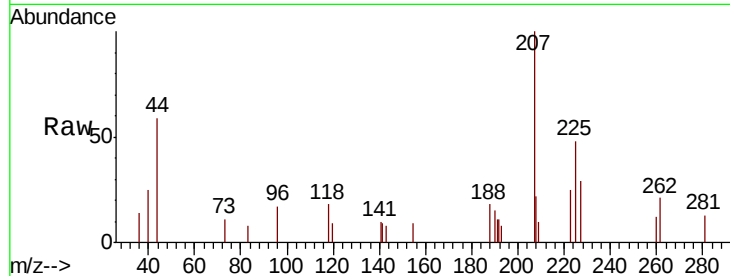
Tot Ion:225 Resp: 1587

Ion Ratio Lower Upper

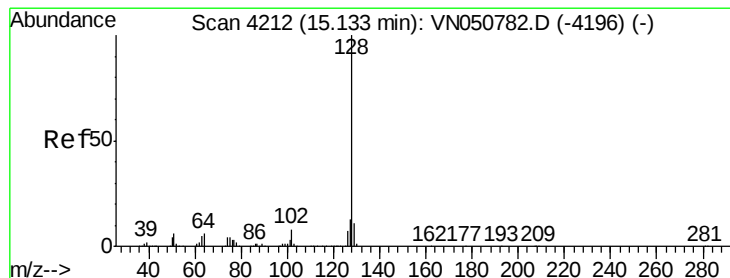
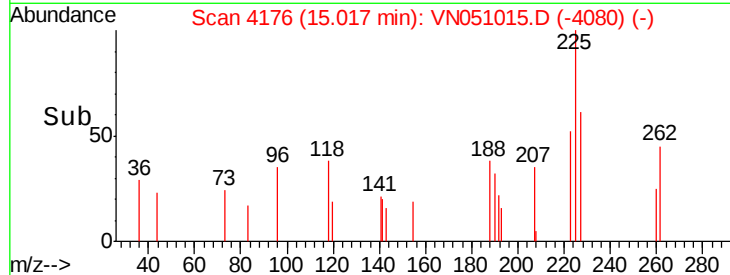
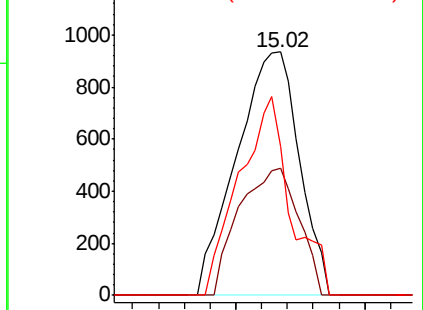
225 100

223 49.6 31.3 93.8

227 66.8 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: 6.00 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

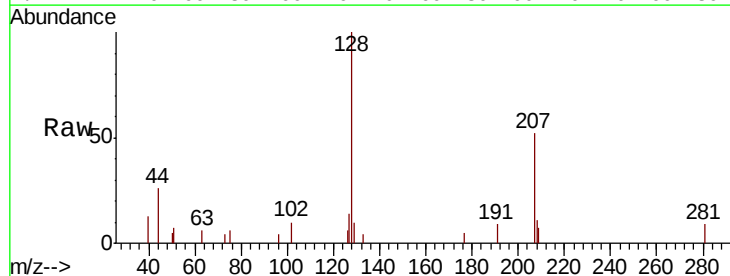
Tgt Ion:128 Resp: 7419

Ion Ratio Lower Upper

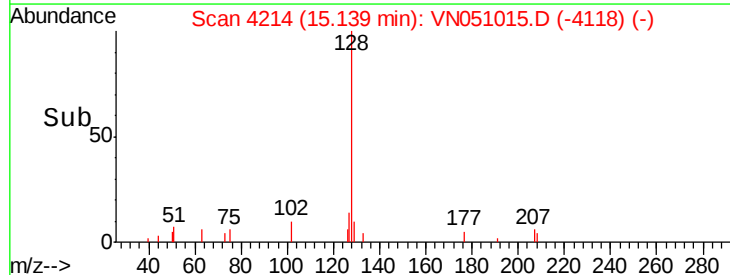
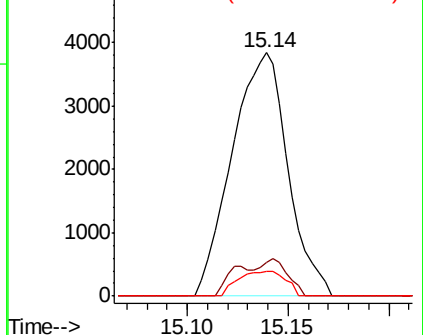
128 100

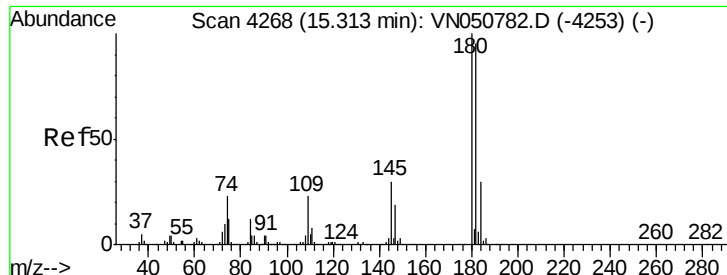
127 7.5 10.5 15.7#

129 8.7 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: 3.91 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN051015.D

Acq: 4 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

PB112553ZHE#01

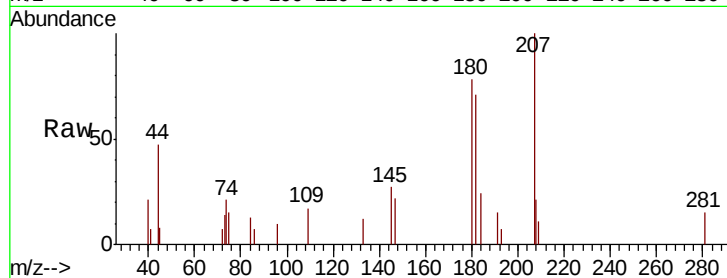
Tot Ion:180 Resp: 3236

Ion Ratio Lower Upper

180 100

182 93.6 48.0 144.2

145 32.7 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

