

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049852.D
 Acq On : 17 Jul 2018 17:52
 Operator : MD\SY
 Sample : PB111173TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173TB

Quant Time: Jul 18 03:36:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	849469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	427288	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	7.59	113	373484	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.09	98	1355363	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	386841	40.84	ug/l	0.00
Spiked Amount			Recovery	=	81.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	557	Below Cal	#	44
3) Chloromethane	2.06	50	1541	Below Cal		97
5) Bromomethane	2.57	94	1941	Below Cal	#	71
6) Chloroethane	2.70	64	62	Below Cal	#	1
7) Trichlorofluoromethane	3.01	101	839	Below Cal		98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	514	Below Cal	#	53
13) Acrolein	3.61	56	331	16.30	ug/l	# 46
15) Acrylonitrile	5.00	53	816	0.29	ug/l	# 80
16) Acetone	3.83	43	26325	Below Cal		98
17) Carbon Disulfide	4.04	76	7601	Below Cal		97
18) Methyl Acetate	4.34	43	14312	Below Cal		92
20) Methylene Chloride	4.55	84	18128	Below Cal		95
29) Tetrahydrofuran	7.22	42	2351	1.06	ug/l	# 75
31) Cyclohexane	7.67	56	12075	Below Cal	#	1
38) Carbon Tetrachloride	7.67	117	55521	5.13	ug/l	# 16
41) Methacrylonitrile	7.23	41	1879	0.48	ug/l	# 42
43) Isopropyl Acetate	8.17	43	256266	19.65	ug/l	97
48) Methyl methacrylate	9.19	41	10558	1.63	ug/l	# 22
51) 4-Methyl-2-Pentanone	9.99	43	4187	0.55	ug/l	96
59) 2-Hexanone	10.77	43	25359	4.82	ug/l	# 57
76) 1,2,3-Trichloropropane	12.40	75	191368	30.34	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	5239	0.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191368	99.29	ug/l	# 13
82) 4-Chlorotoluene	12.78	91	3242	0.20	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2659	0.24	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	2659	0.25	ug/l	94
90) Hexachloroethane	13.88	117	144	Below Cal	#	48
92) 1,2-Dibromo-3-Chloropropan	14.25	75	717	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	3493	0.70	ug/l	99
94) Hexachlorobutadiene	15.01	225	1232	0.35	ug/l	97
95) Naphthalene	15.14	128	10391	3.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4060	0.77	ug/l	97

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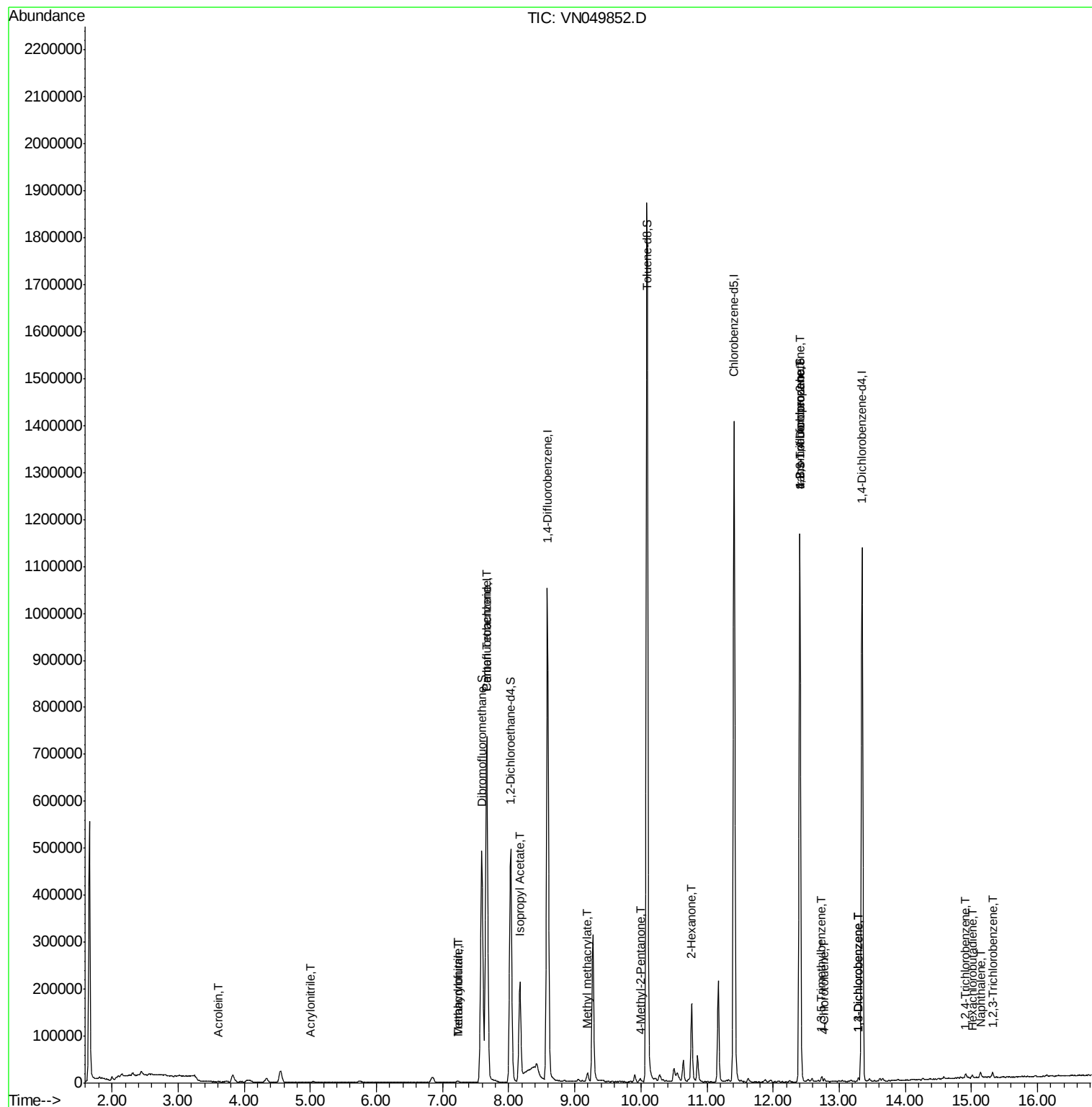
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

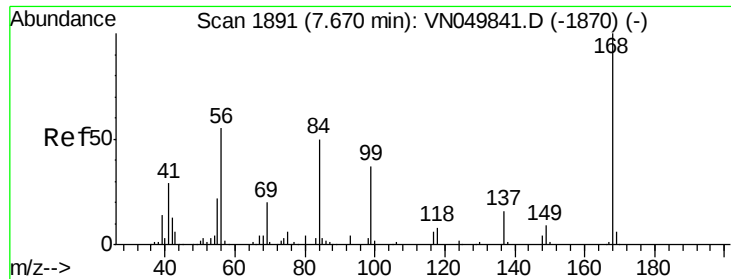
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071718\
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Acq On : 17 Jul 2018 17:52
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

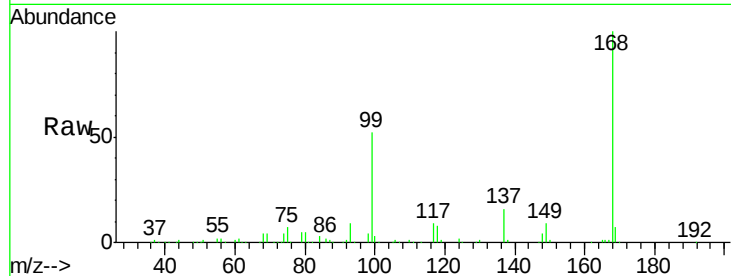
PB111173TB

Tot Ion:168 Resp: 632726

Ion Ratio Lower Upper

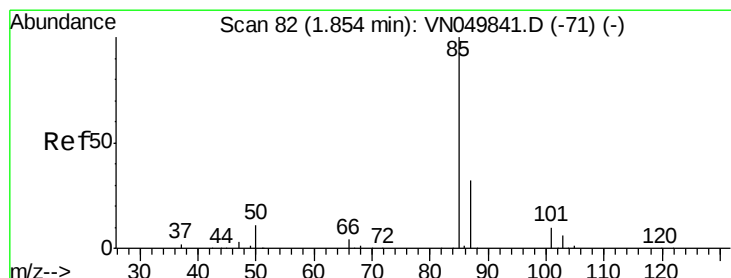
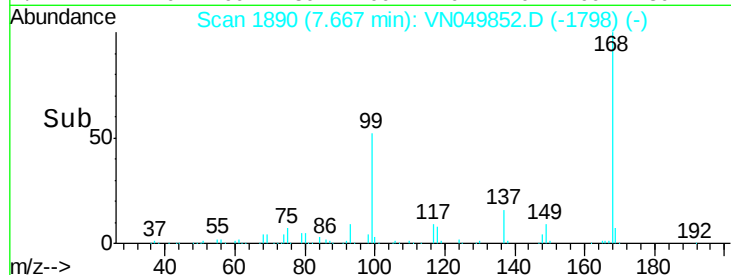
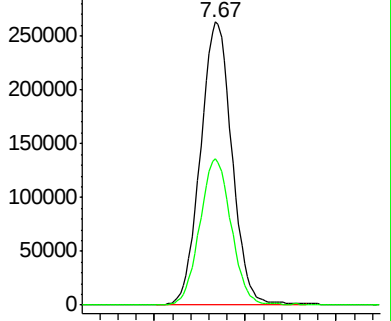
168 100

99 51.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049852.D

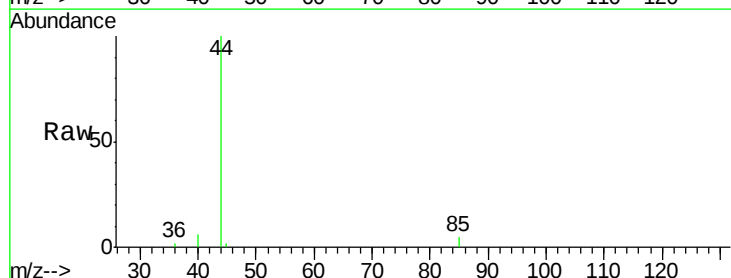
Acq: 17 Jul 2018 17:52

Tgt Ion: 85 Resp: 557

Ion Ratio Lower Upper

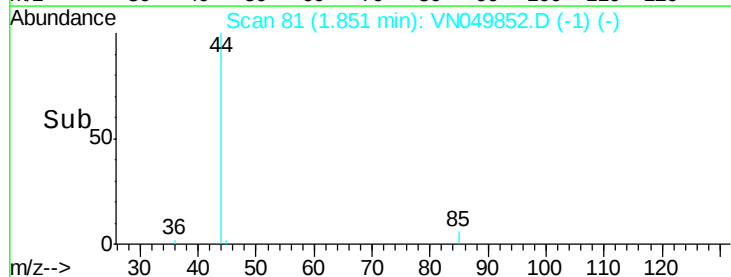
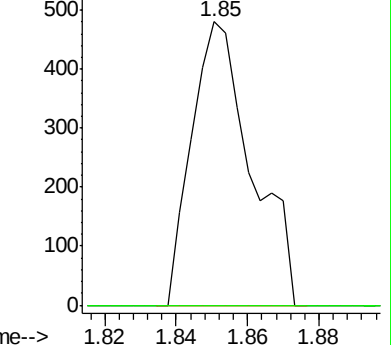
85 100

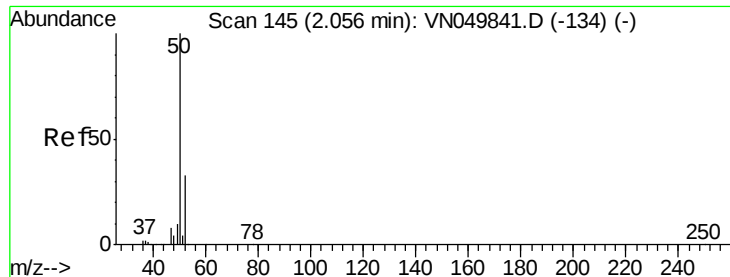
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

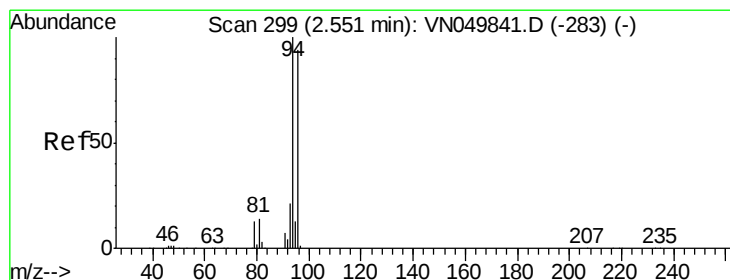
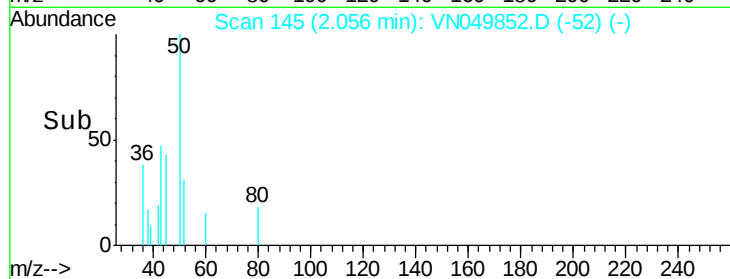
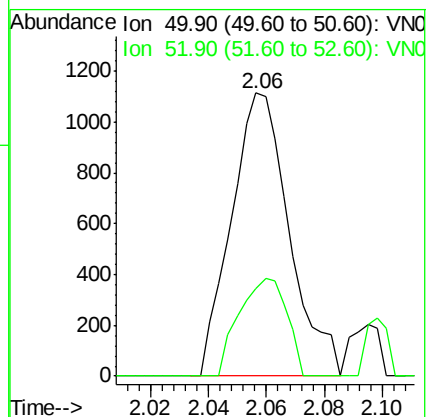
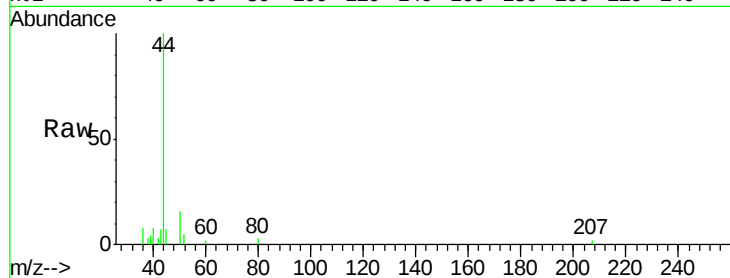
PB111173TB

Tot Ion: 50 Resp: 1541

Ion Ratio Lower Upper

50 100

52 31.1 26.1 39.1



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN049852.D

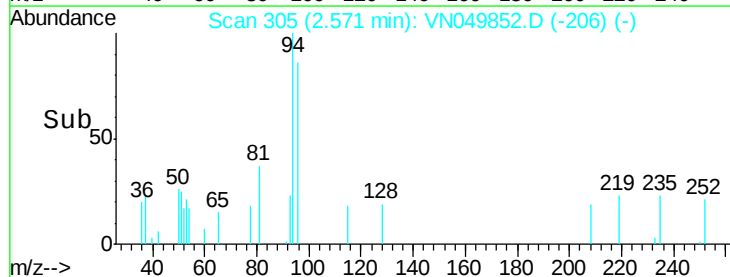
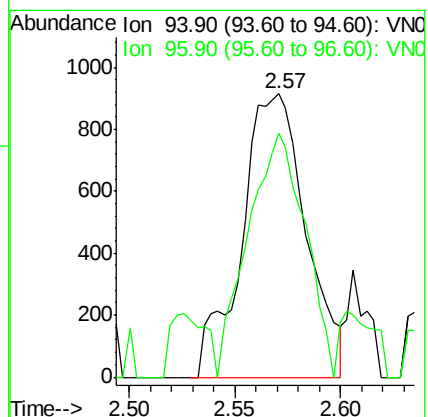
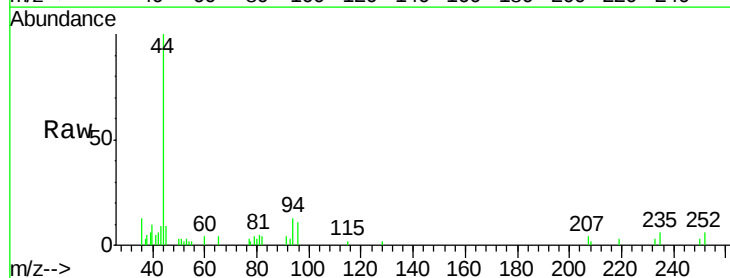
Acq: 17 Jul 2018 17:52

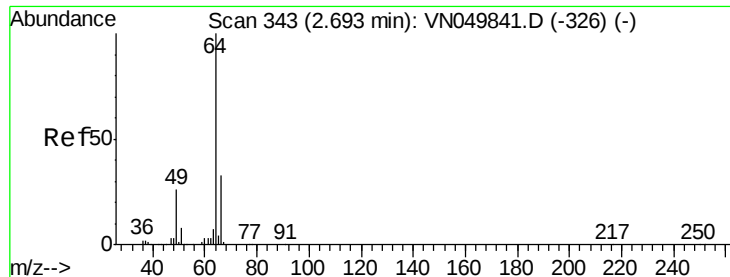
Tgt Ion: 94 Resp: 1941

Ion Ratio Lower Upper

94 100

96 66.7 75.7 113.5#





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

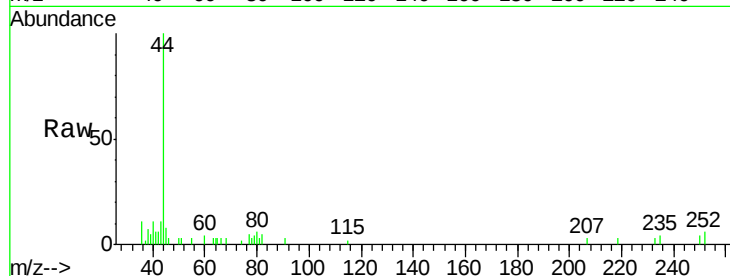
PB111173TB

Tot Ion: 64 Resp: 62

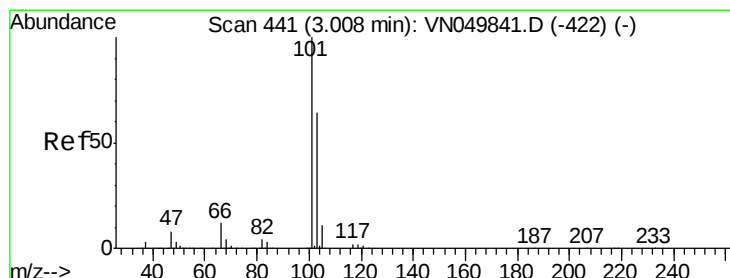
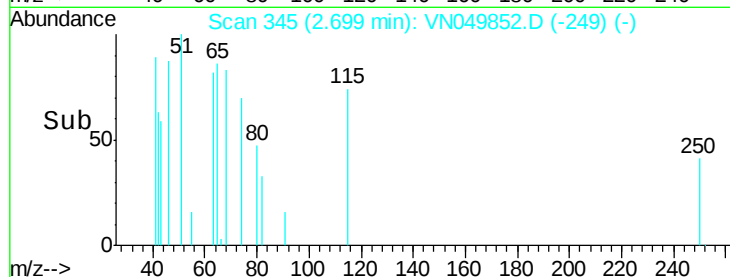
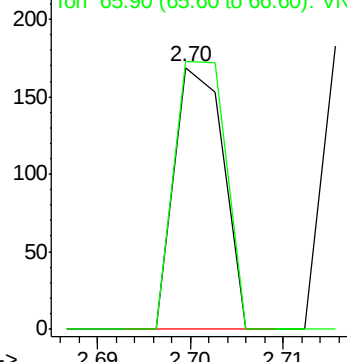
Ion Ratio Lower Upper

64 100

66 102.4 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN049841.D (-326) (-)



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN049852.D

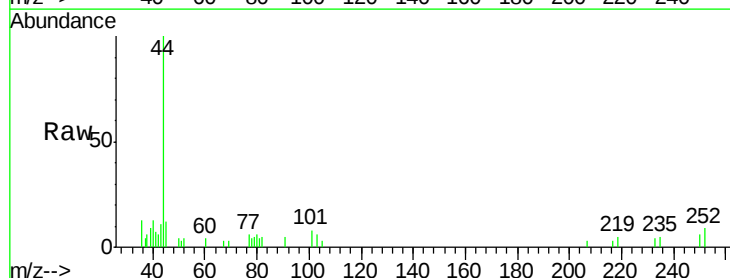
Acq: 17 Jul 2018 17:52

Tgt Ion: 101 Resp: 839

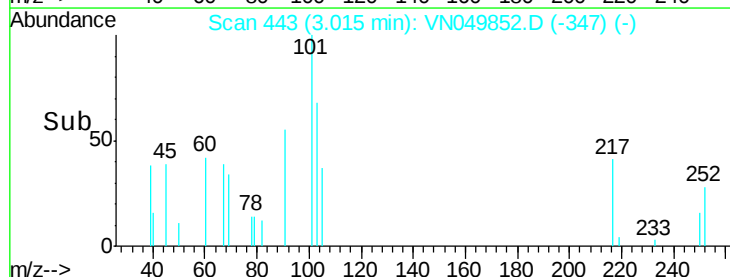
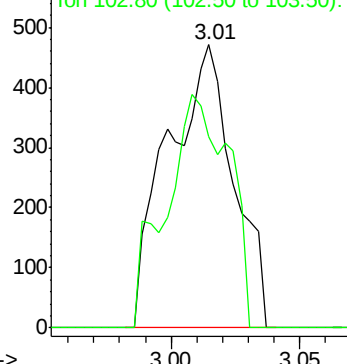
Ion Ratio Lower Upper

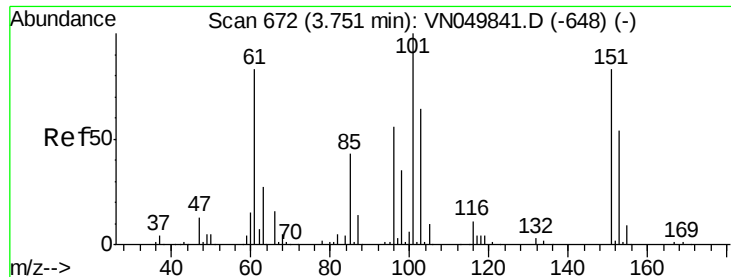
101 100

103 67.7 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): VN049841.D (-422) (-)





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

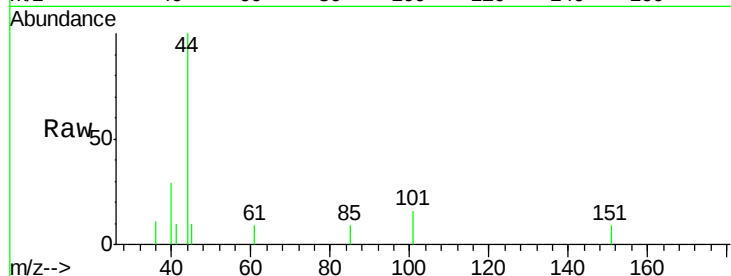
Tot Ion:101 Resp: 514

Ion Ratio Lower Upper

101 100

85 12.8 34.4 51.6#

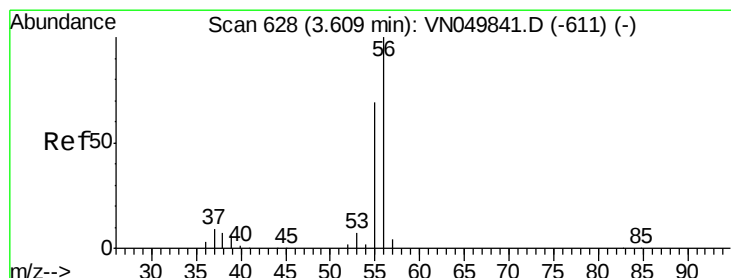
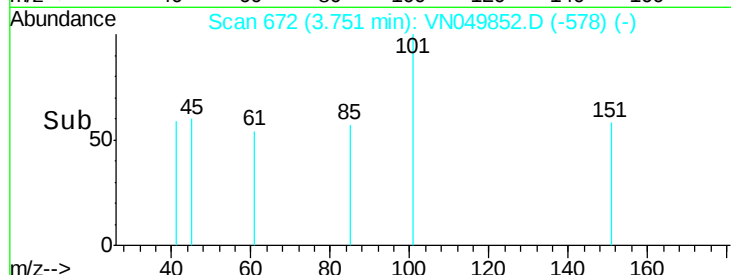
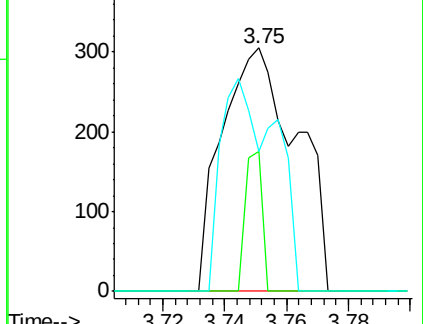
151 41.1 66.2 99.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#13

Acrolein

Concen: 16.30 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049852.D

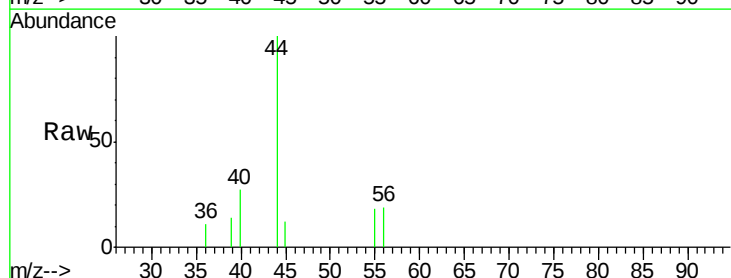
Acq: 17 Jul 2018 17:52

Tgt Ion: 56 Resp: 331

Ion Ratio Lower Upper

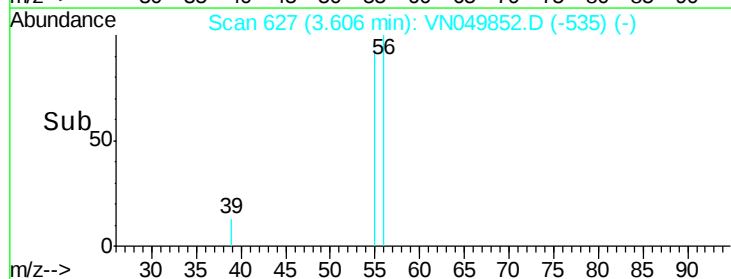
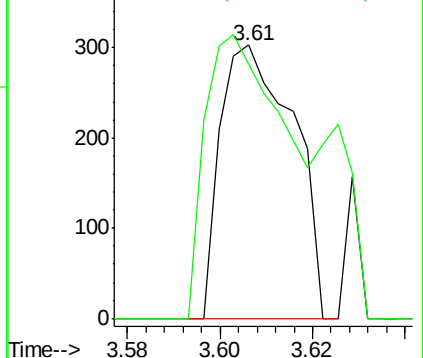
56 100

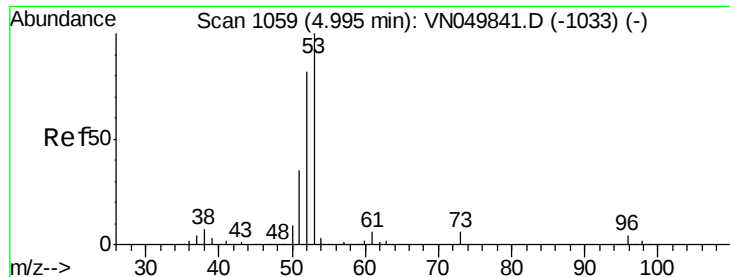
55 114.2 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 5.00 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampled :

PB111173TB

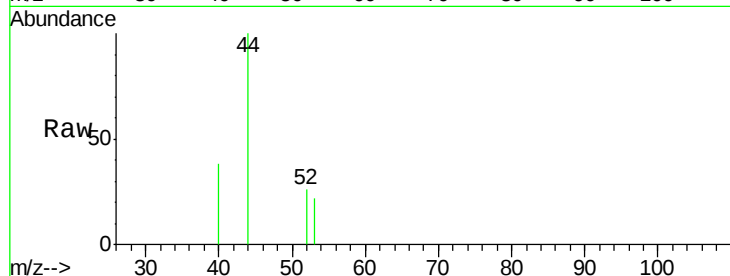
Tot Ion: 53 Resp: 816

Ion Ratio Lower Upper

53 100

52 69.2 64.8 97.2

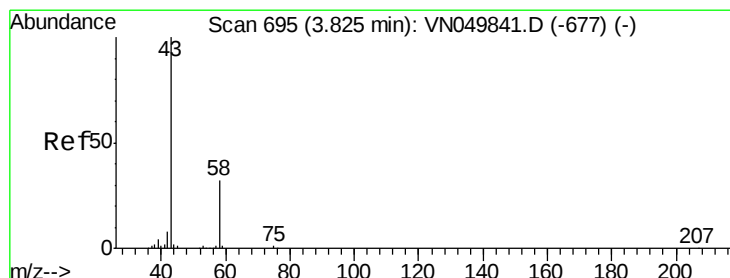
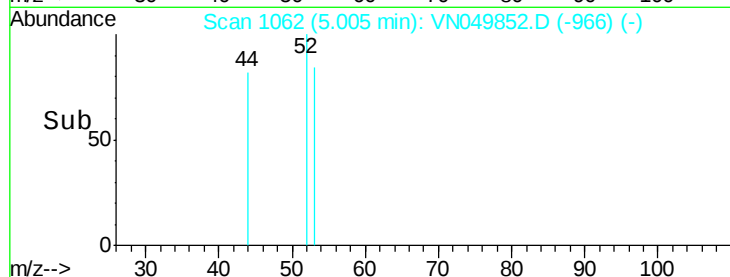
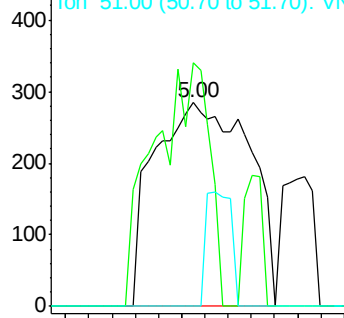
51 14.7 28.9 43.3#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN049852.D

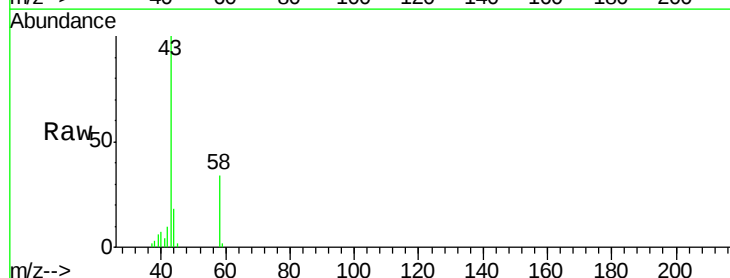
Acq: 17 Jul 2018 17:52

Tgt Ion: 43 Resp: 26325

Ion Ratio Lower Upper

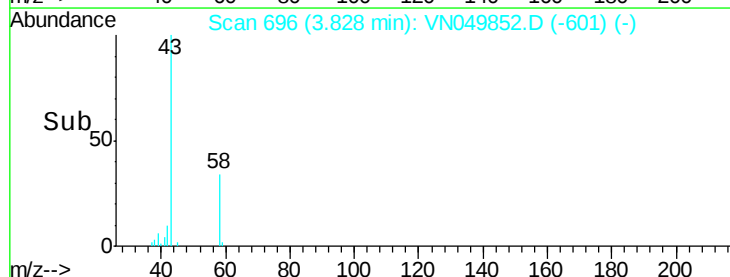
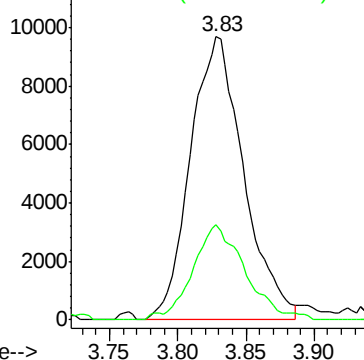
43 100

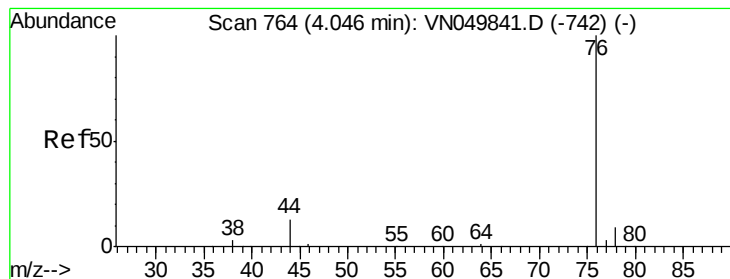
58 33.5 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

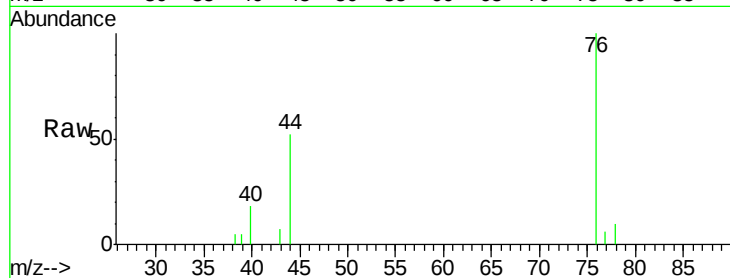
PB111173TB

Tot Ion: 76 Resp: 7601

Ion Ratio Lower Upper

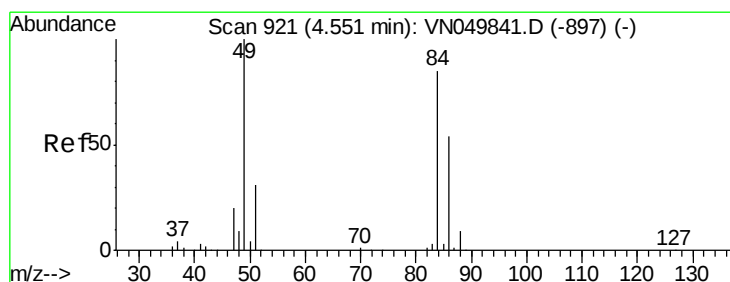
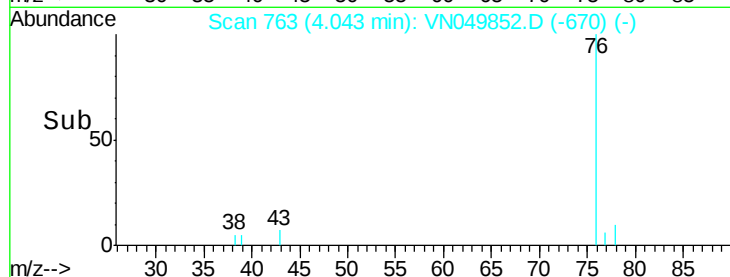
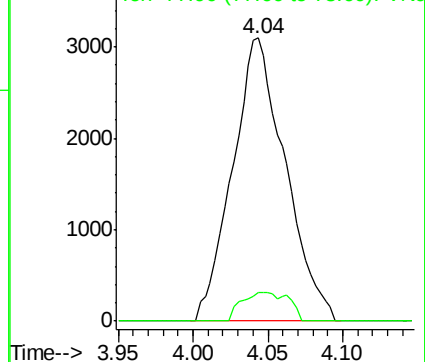
76 100

78 9.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Tgt Ion: 84 Resp: 18128

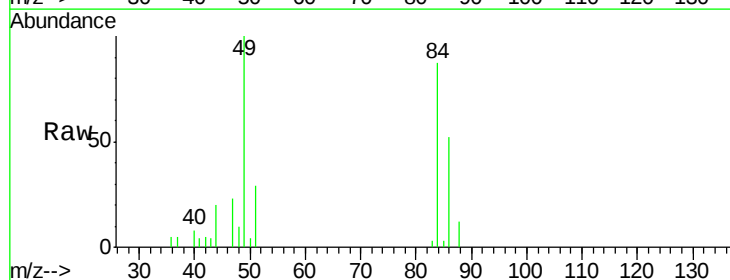
Ion Ratio Lower Upper

84 100

49 115.0 95.4 143.2

51 33.3 28.4 42.6

86 59.5 52.6 79.0

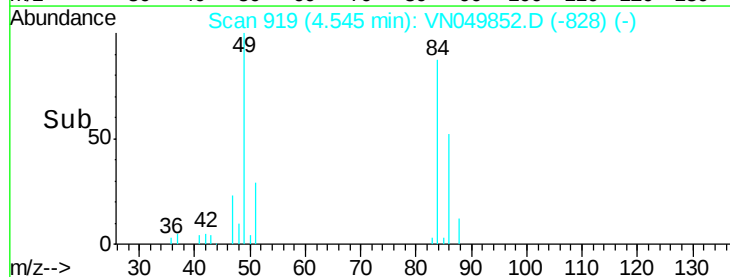
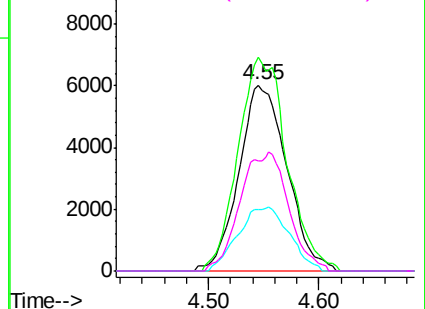


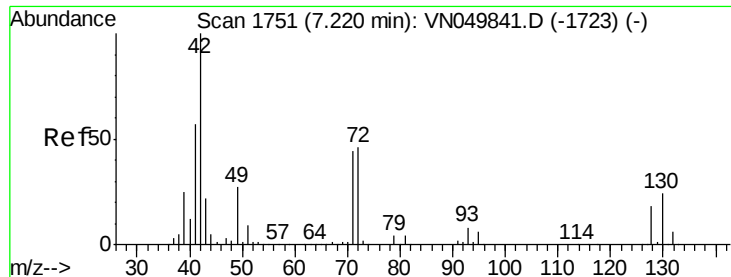
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#29

Tetrahydrofuran

Concen: 1.06 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

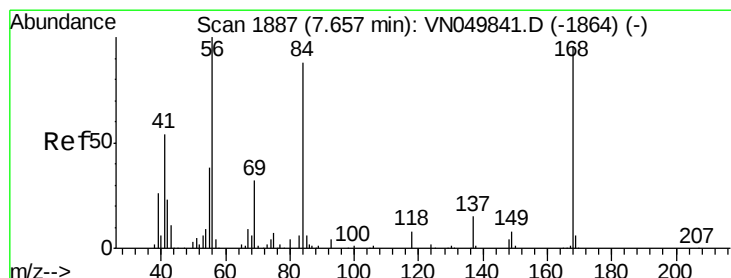
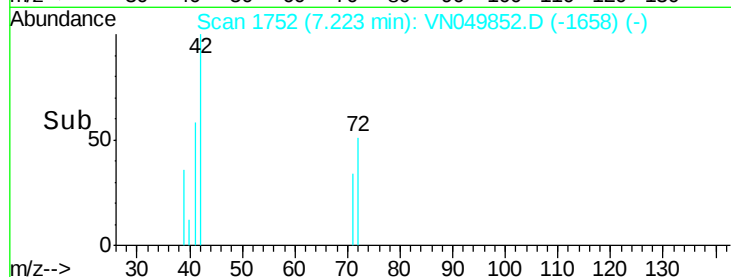
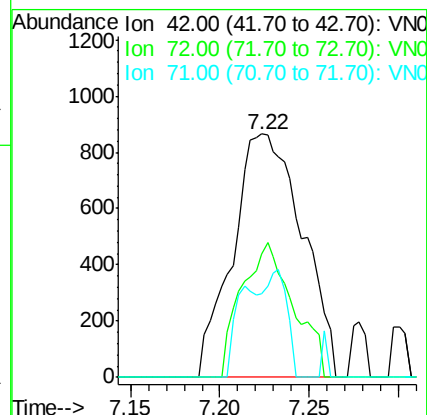
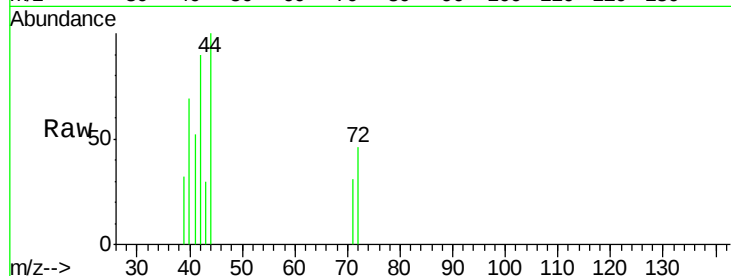
Tot Ion: 42 Resp: 2351

Ion Ratio Lower Upper

42 100

72 41.5 35.6 53.4

71 13.1 34.0 51.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

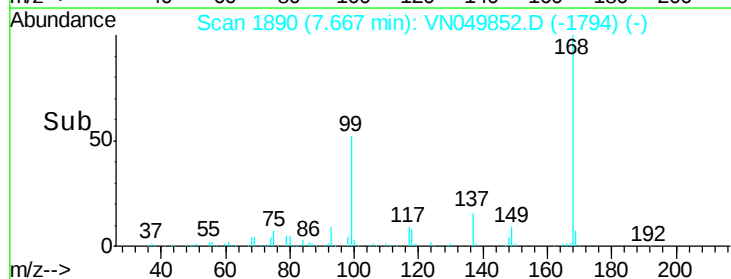
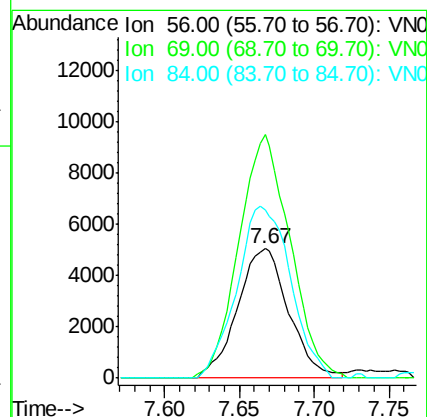
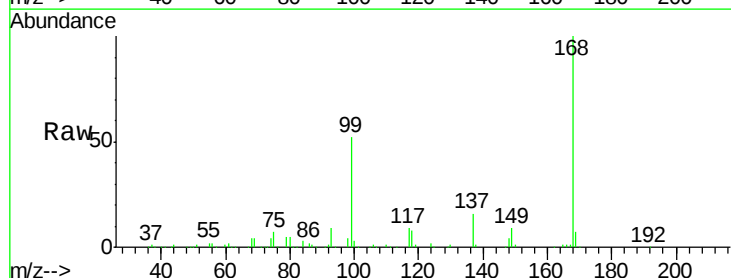
Tgt Ion: 56 Resp: 12075

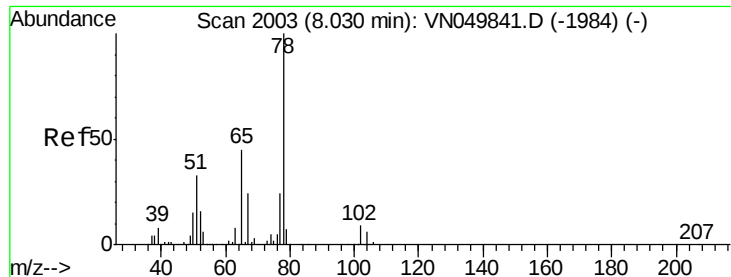
Ion Ratio Lower Upper

56 100

69 188.6 26.6 40.0#

84 130.4 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 50.42 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

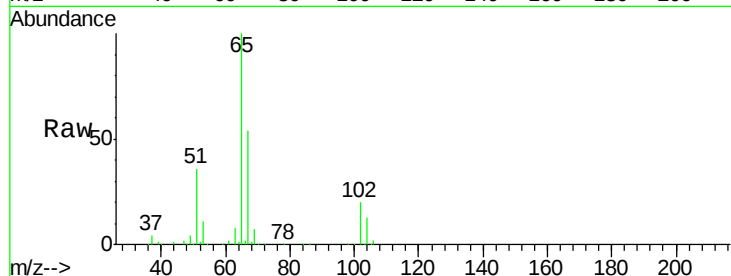
PB111173TB

Tot Ion: 65 Resp: 427288

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049841.D (-1984) (-)

Ion 66.90 (66.60 to 67.60): VN049841.D (-1984) (-)

8.03

200000

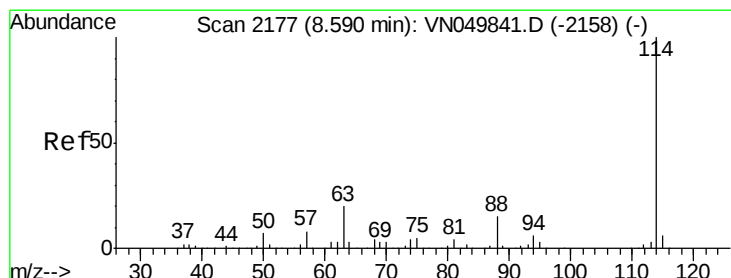
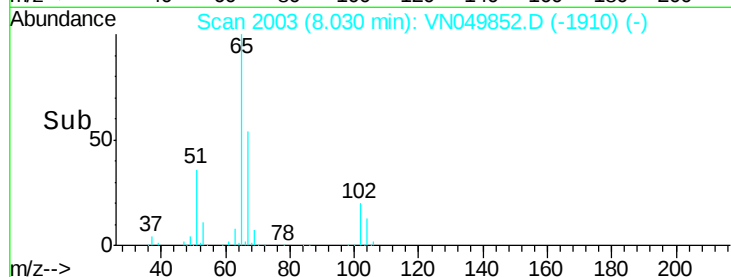
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

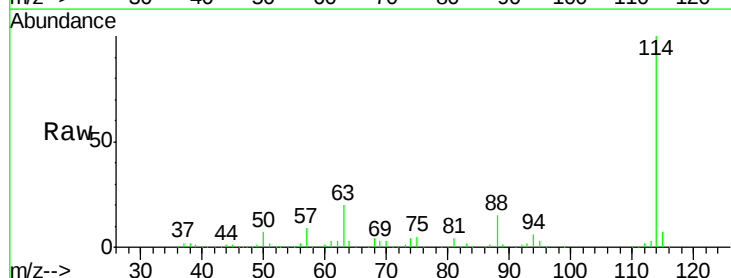
Tgt Ion: 114 Resp: 971244

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049841.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN049841.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN049841.D (-2158) (-)

8.59

600000

500000

400000

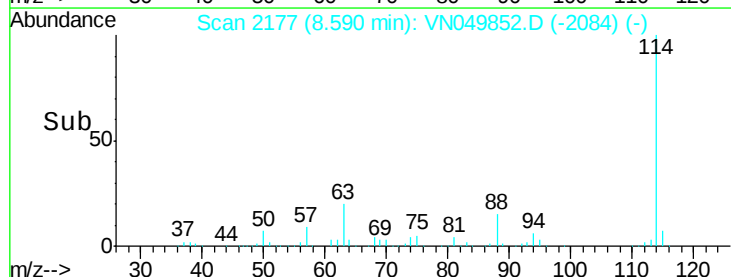
300000

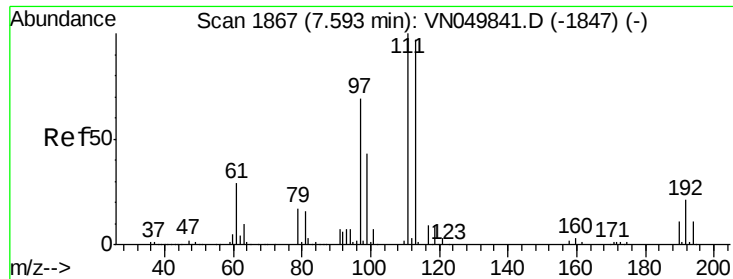
200000

100000

0

Time--> 8.50 8.60 8.70

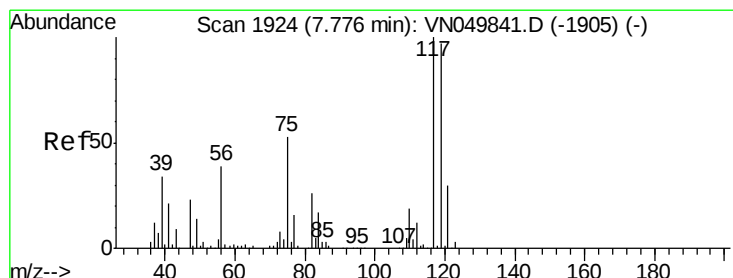
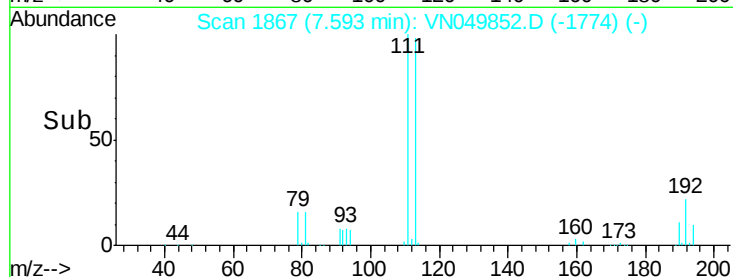
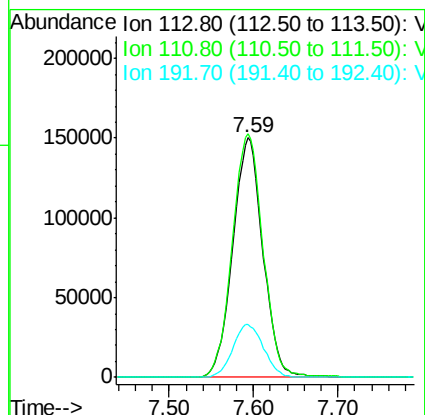
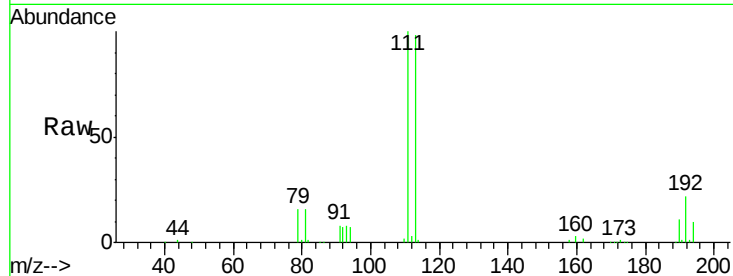




#35
Dibromofluoromethane
Concen: 48.48 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

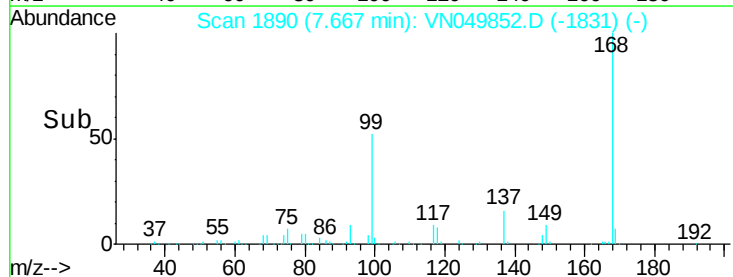
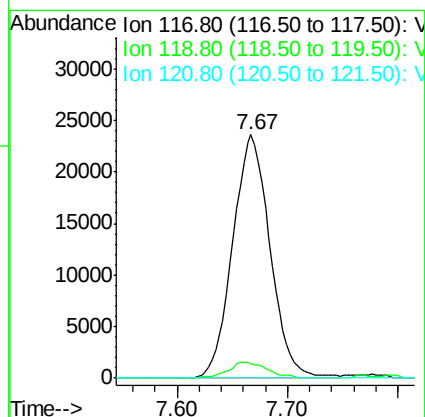
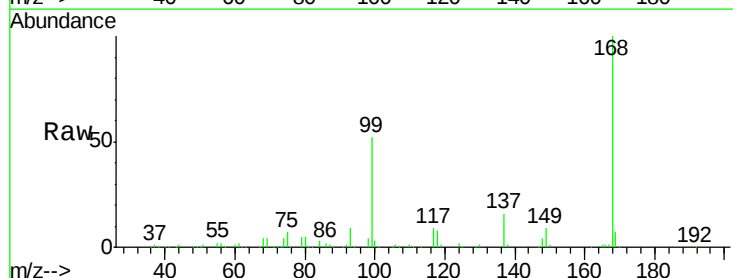
Instrument :
MSVOA_N
ClientSampleId :
PB111173TB

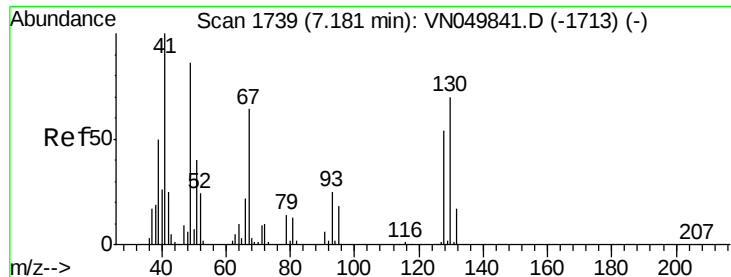
Tot Ion:113 Resp: 373484
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 22.5 17.8 26.6



#38
Carbon Tetrachloride
Concen: 5.13 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

Tgt Ion:117 Resp: 55521
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.6#

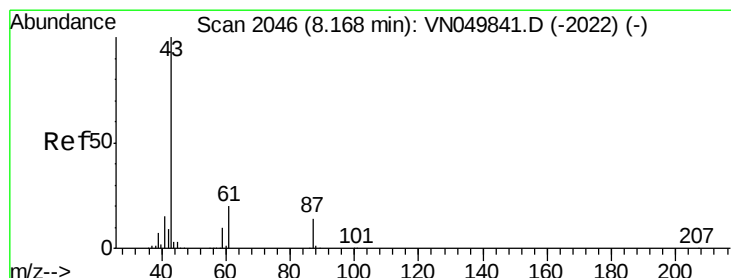
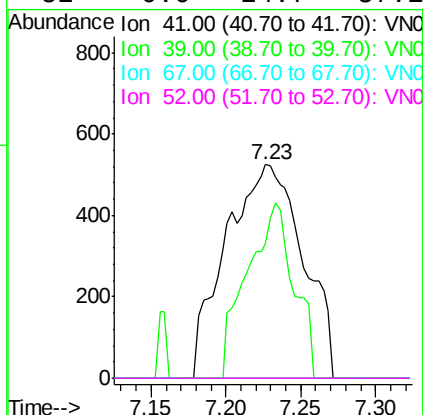
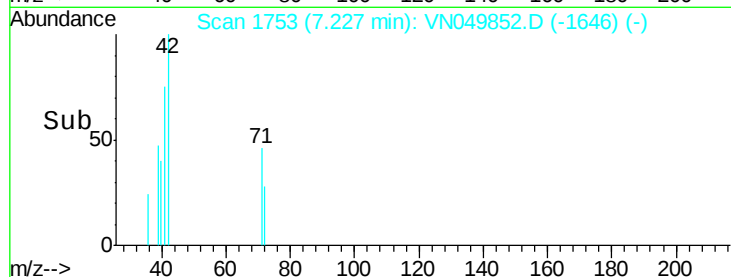
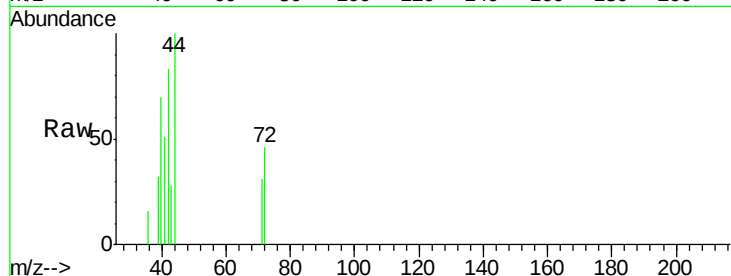




#41
Methacrylonitrile
Concen: 0.48 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.05 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

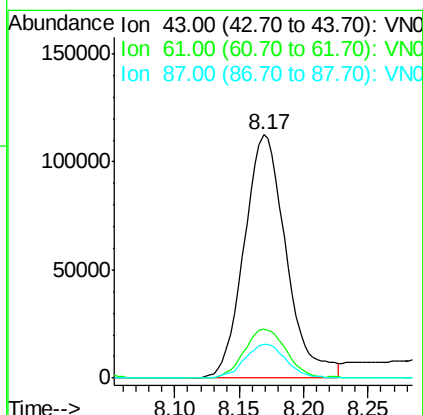
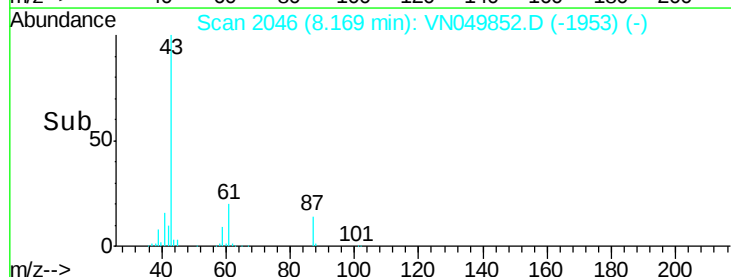
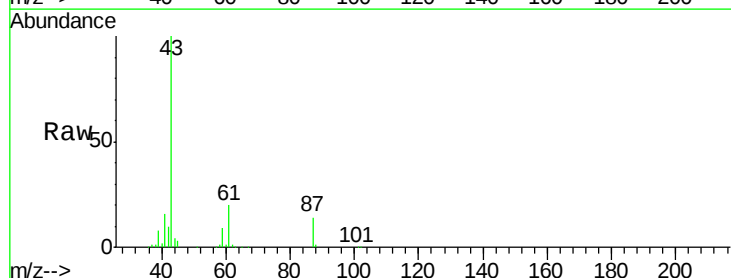
Instrument :
MSVOA_N
ClientSampled :
PB111173TB

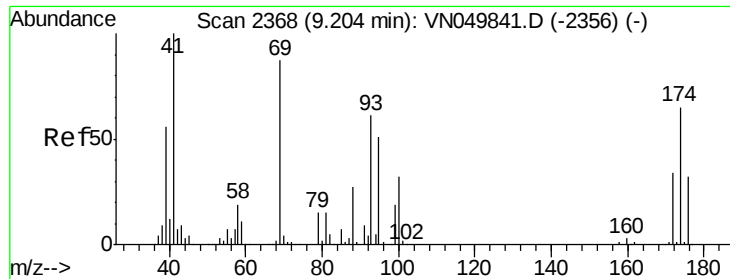
Tot Ion: 41 Resp: 1879
Ion Ratio Lower Upper
41 100
39 49.8 45.4 68.2
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 19.65 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

Tgt Ion: 43 Resp: 256266
Ion Ratio Lower Upper
43 100
61 20.1 14.9 22.3
87 13.6 10.0 15.0

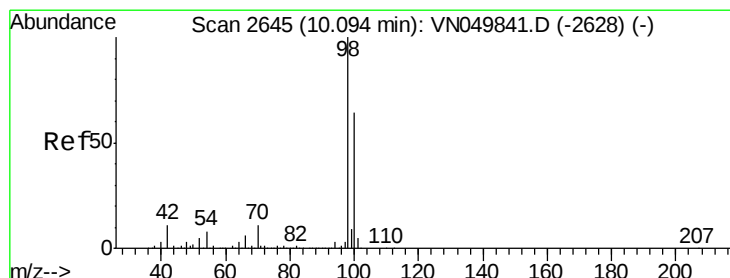
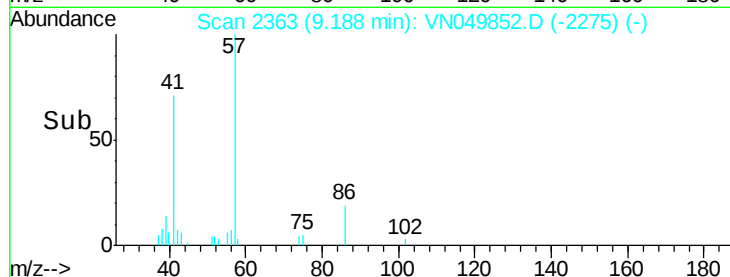
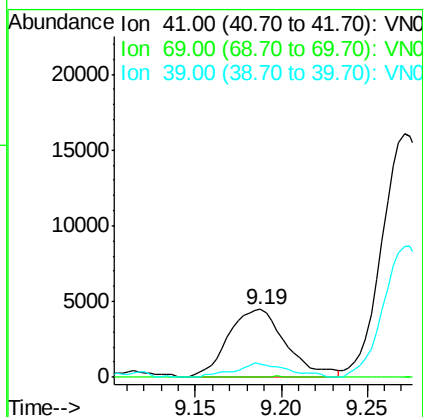
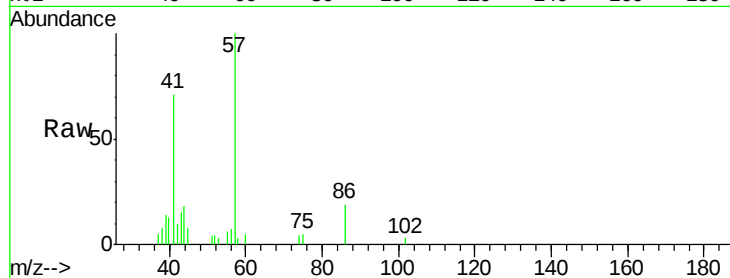




#48
Methvl methacrylate
Concen: 1.63 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.02 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

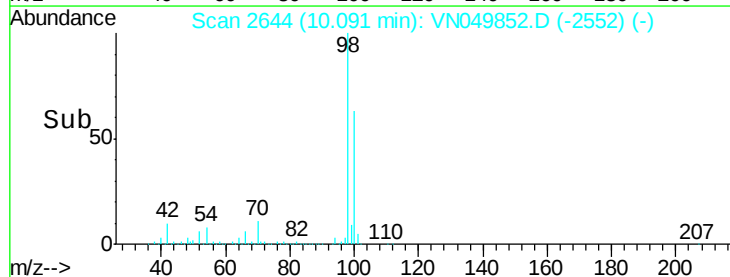
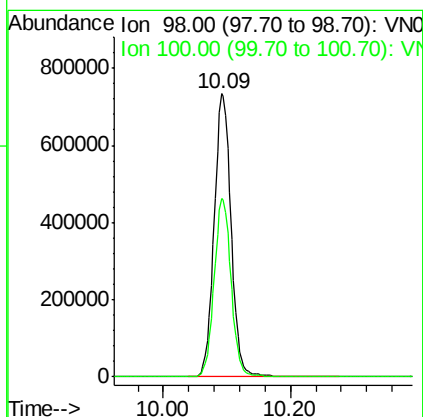
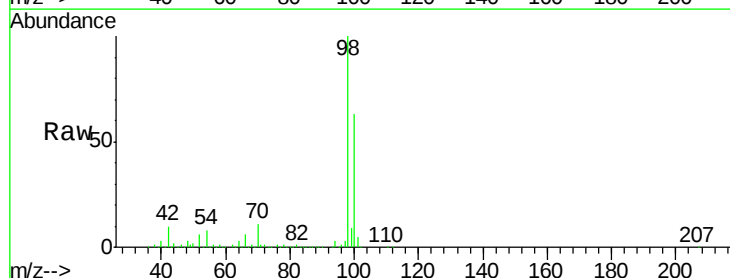
Instrument :
MSVOA_N
ClientSampleId :
PB111173TB

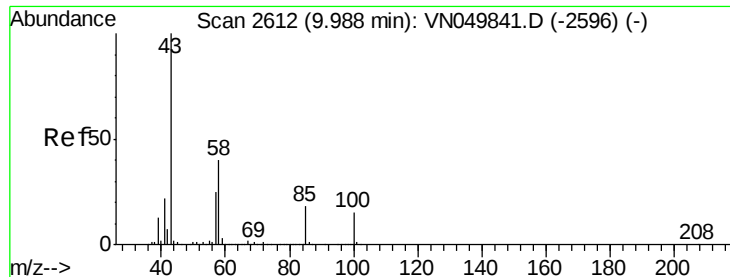
Tot Ion: 41 Resp: 10558
Ion Ratio Lower Upper
41 100
69 0.3 71.5 107.3#
39 19.2 44.7 67.1#



#50
Toluene-d8
Concen: 47.92 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

Tgt Ion: 98 Resp: 1355363
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

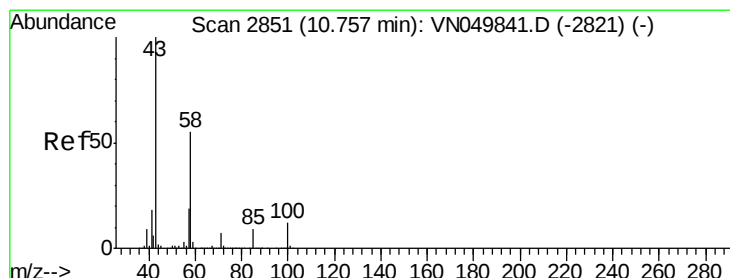
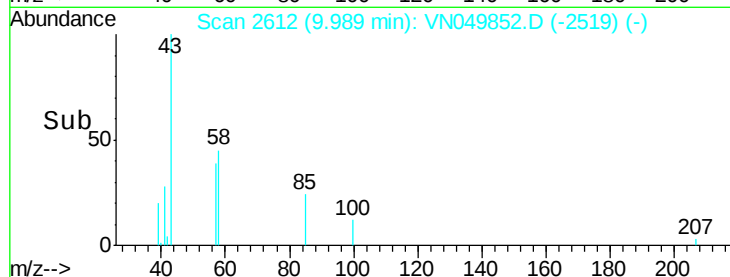
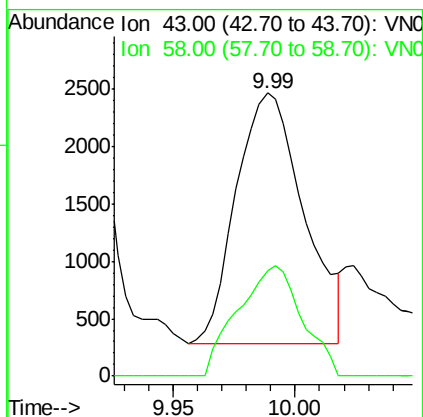
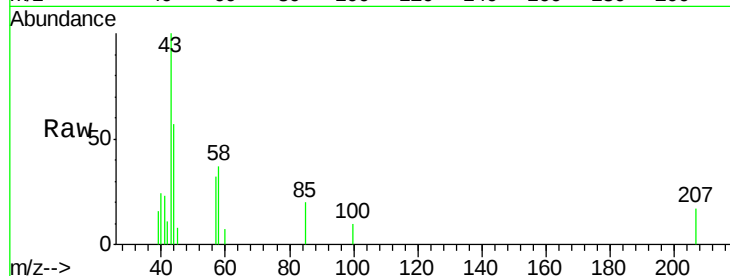




#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

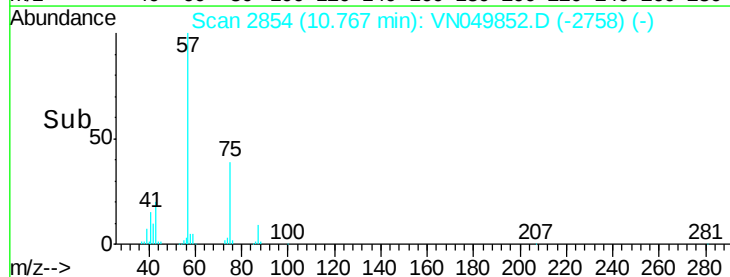
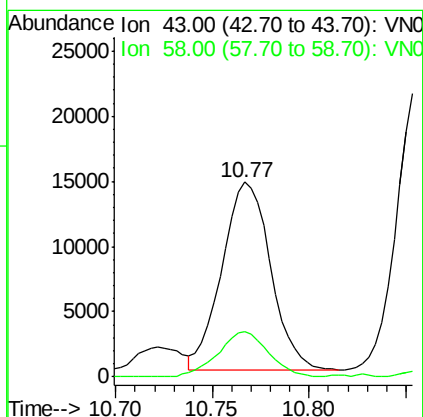
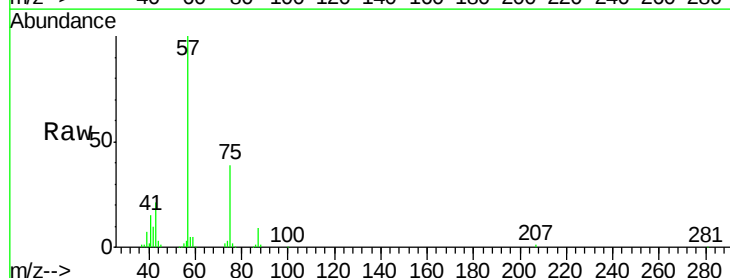
Instrument :
MSVOA_N
ClientSampled :
PB111173TB

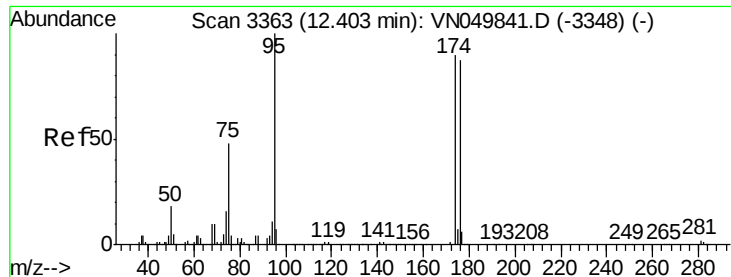
Tot Ion: 43 Resp: 4187
Ion Ratio Lower Upper
43 100
58 42.0 31.8 47.8



#59
2-Hexanone
Concen: 4.82 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN049852.D
Acq: 17 Jul 2018 17:52

Tgt Ion: 43 Resp: 25359
Ion Ratio Lower Upper
43 100
58 24.6 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 40.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

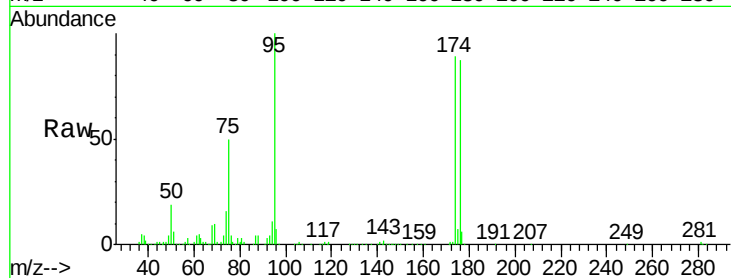
Tot Ion: 95 Resp: 386841

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.6

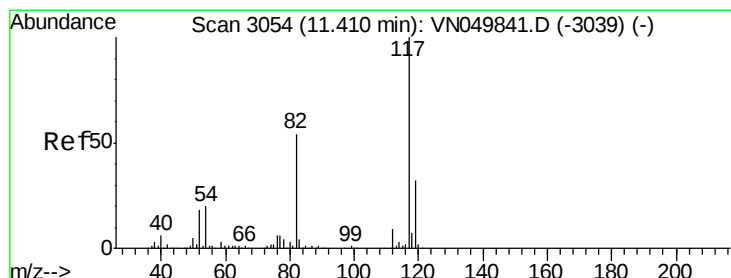
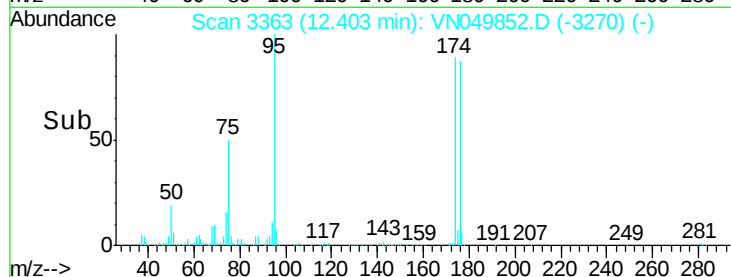
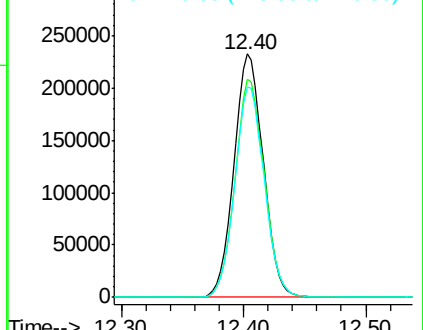
176 87.0 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049841.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049841.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049841.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

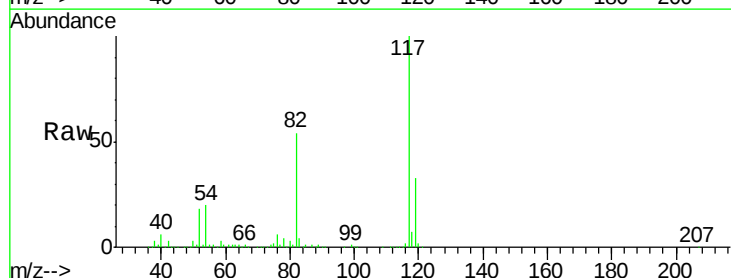
Tgt Ion: 117 Resp: 849469

Ion Ratio Lower Upper

117 100

82 54.1 41.9 62.9

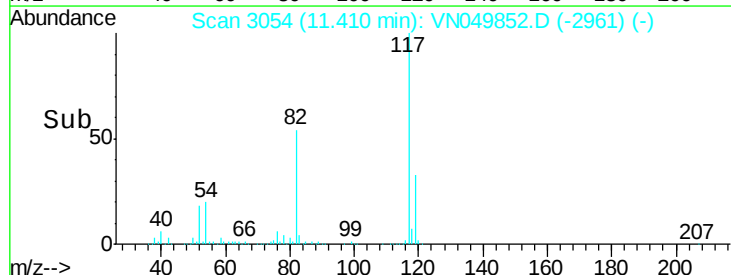
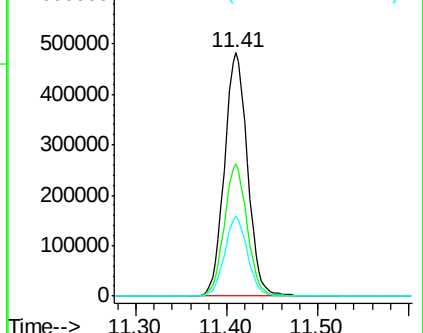
119 32.7 25.4 38.2

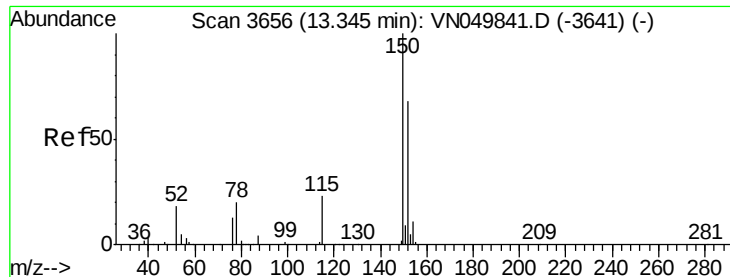


Abundance Ion 116.90 (116.60 to 117.60): VN049841.D (-3039) (-)

Ion 82.00 (81.70 to 82.70): VN049841.D (-3039) (-)

Ion 118.90 (118.60 to 119.60): VN049841.D (-3039) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

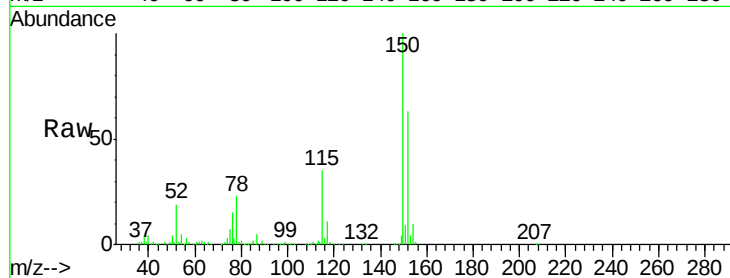
Tot Ion:152 Resp: 322395

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

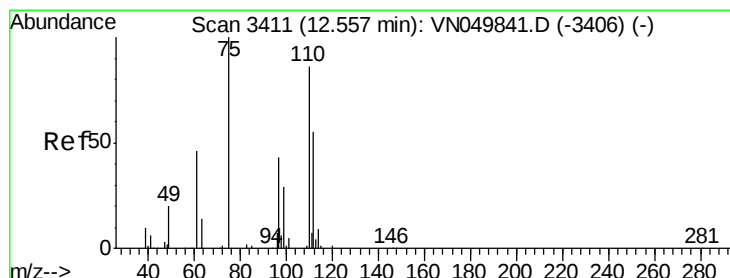
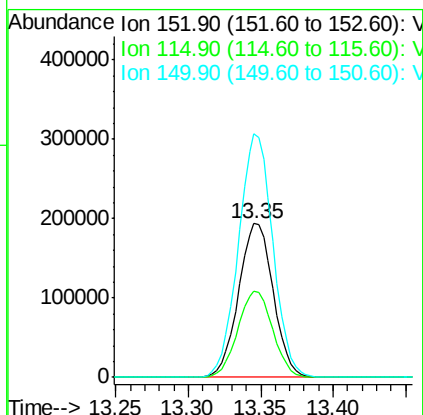
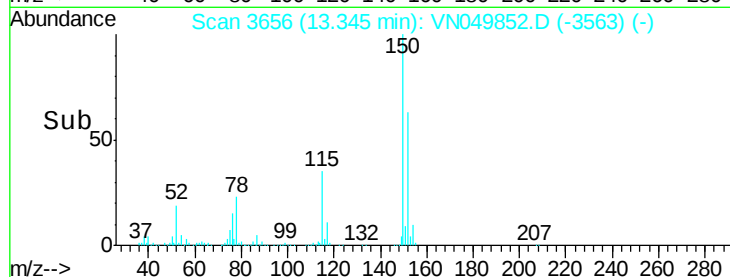
150 156.9 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 30.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049852.D

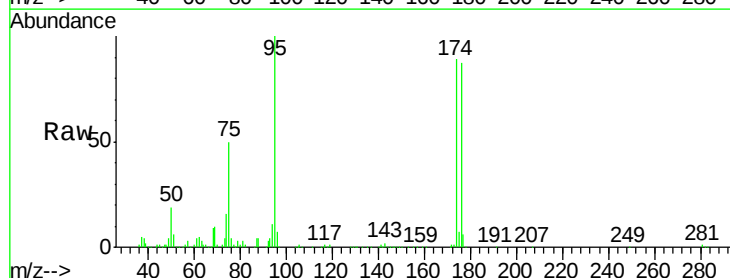
Acq: 17 Jul 2018 17:52

Tgt Ion: 75 Resp: 191368

Ion Ratio Lower Upper

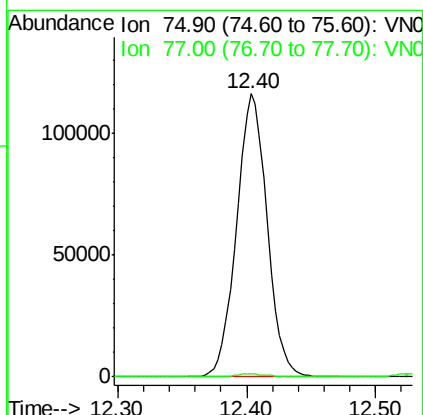
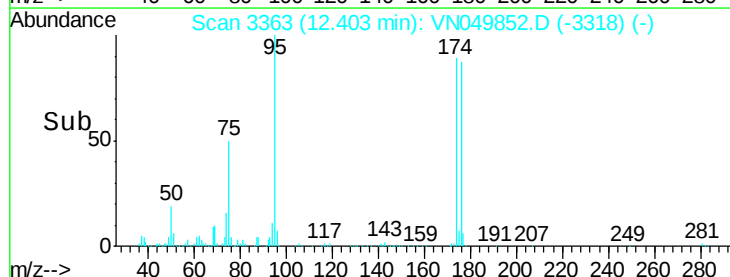
75 100

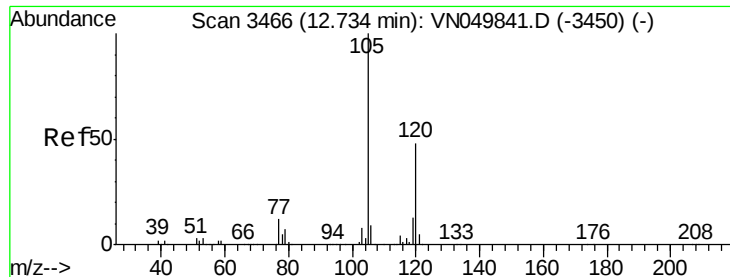
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

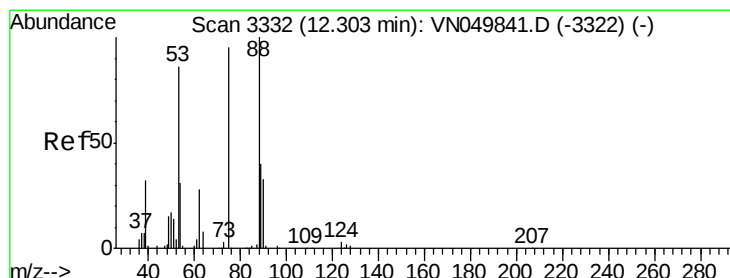
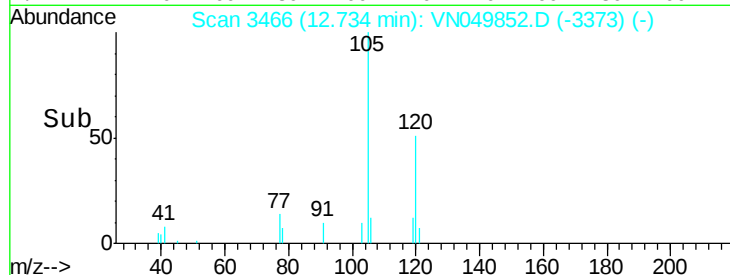
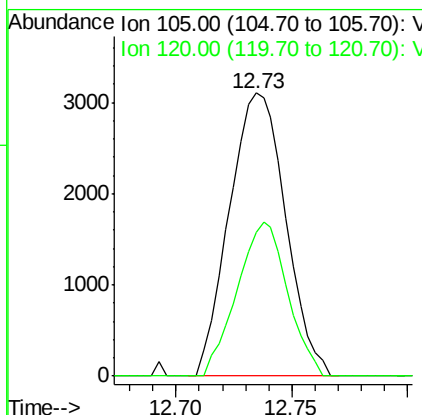
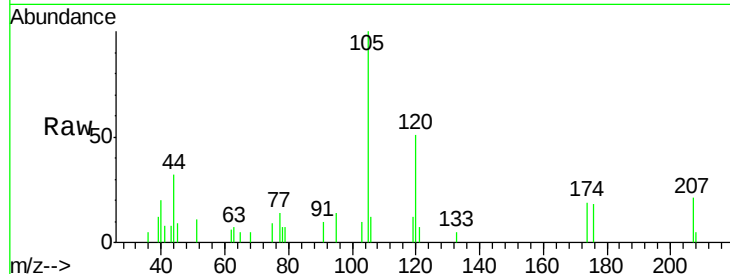




#80
 1,3,5-Trimethylbenzene
 Concen: 0.29 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049852.D
 Acq: 17 Jul 2018 17:52

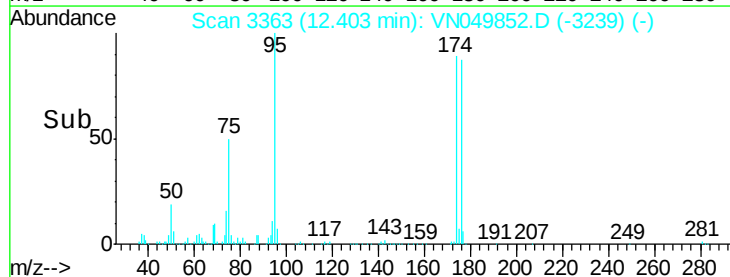
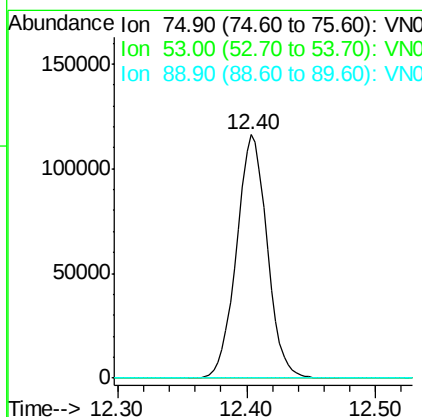
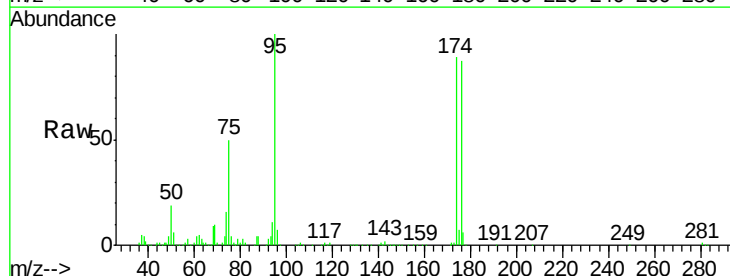
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173TB

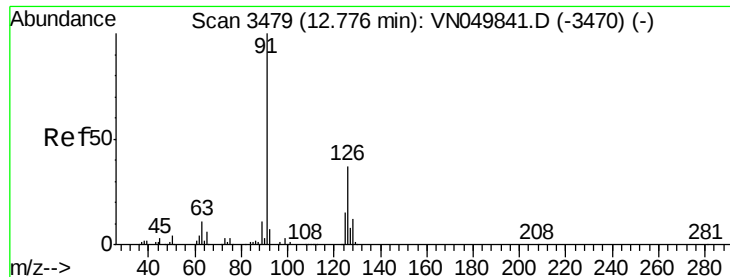
Tot Ion:105 Resp: 5239
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.29 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049852.D
 Acq: 17 Jul 2018 17:52

Tgt Ion: 75 Resp: 191368
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.9 110.9#
 89 0.0 35.9 53.9#





#82

4-Chlorotoluene

Concen: 0.20 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

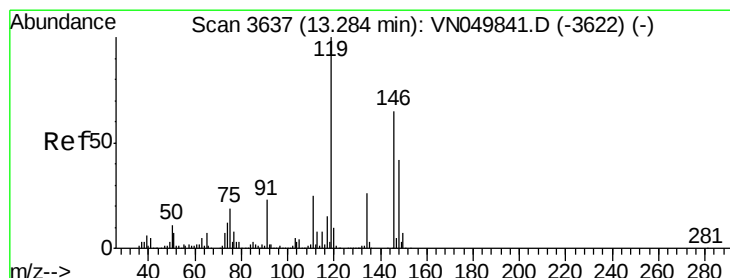
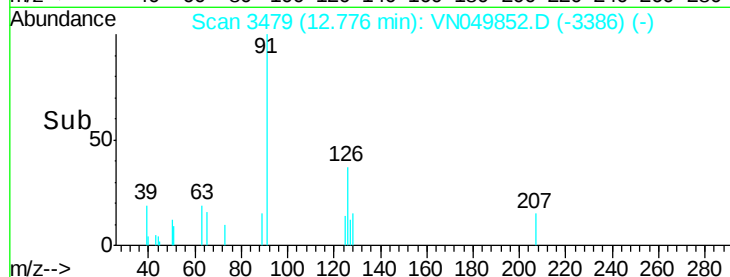
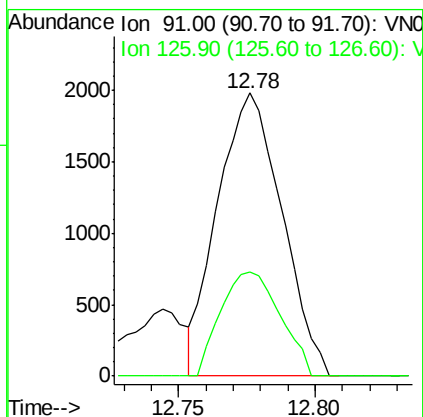
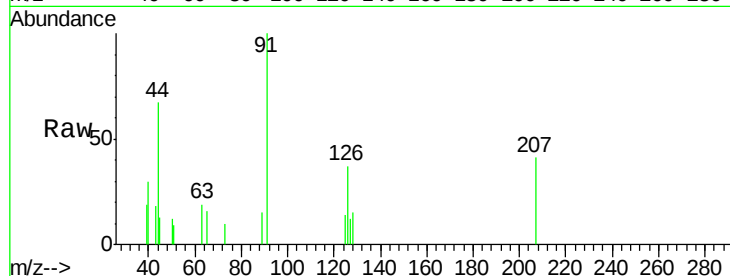
PB111173TB

Tot Ion: 91 Resp: 3242

Ion Ratio Lower Upper

91 100

126 34.1 17.2 51.6



#87

1,3-Dichlorobenzene

Concen: 0.24 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

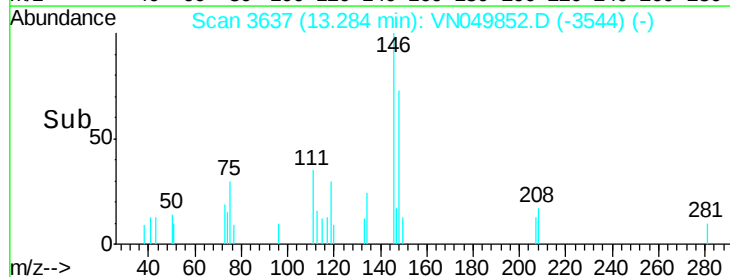
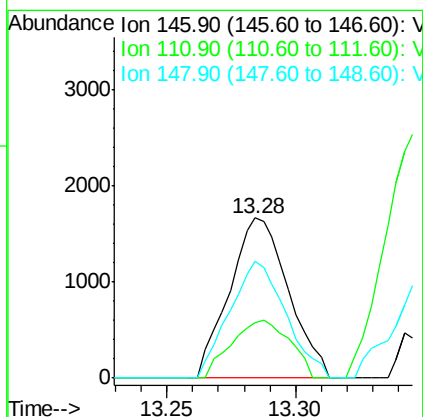
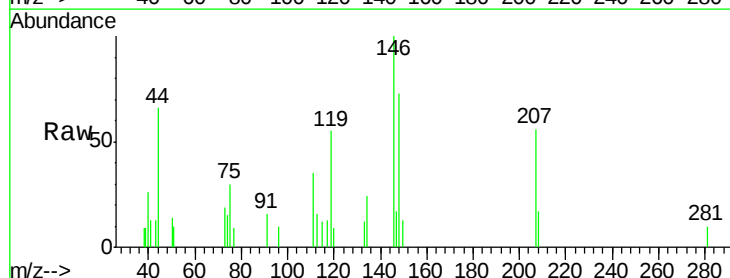
Tgt Ion: 146 Resp: 2659

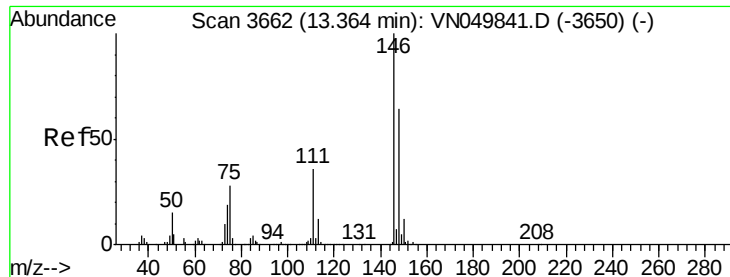
Ion Ratio Lower Upper

146 100

111 35.5 19.0 57.0

148 69.5 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: 0.25 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.08 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

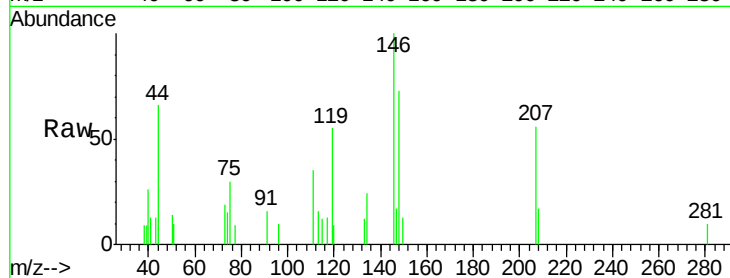
Tot Ion:146 Resp: 2659

Ion Ratio Lower Upper

146 100

111 35.5 18.9 56.5

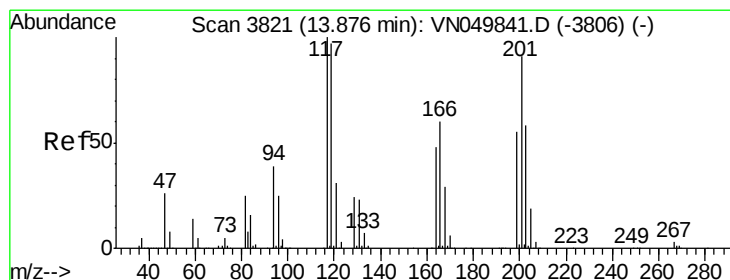
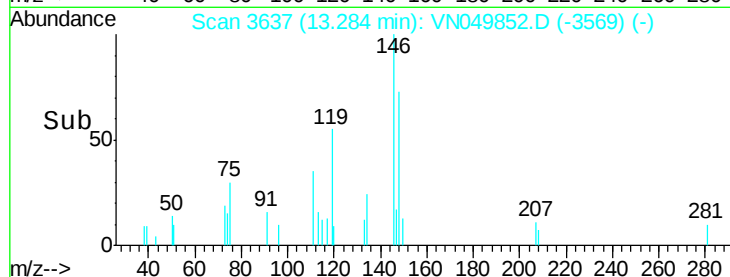
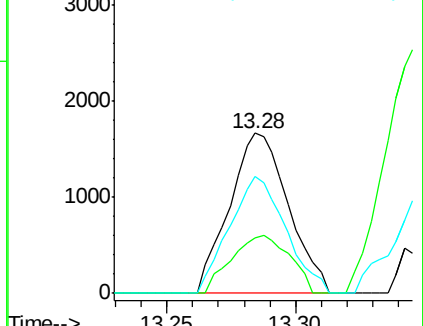
148 69.5 32.1 96.3



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: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049852.D

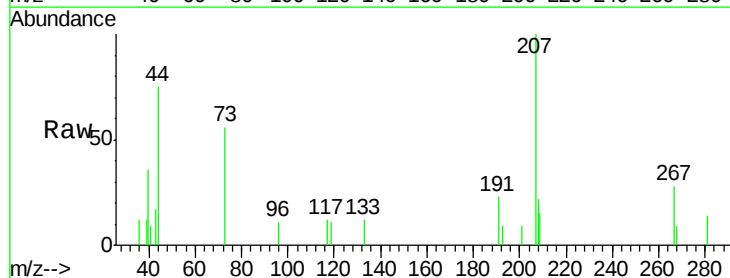
Acq: 17 Jul 2018 17:52

Tgt Ion:117 Resp: 144

Ion Ratio Lower Upper

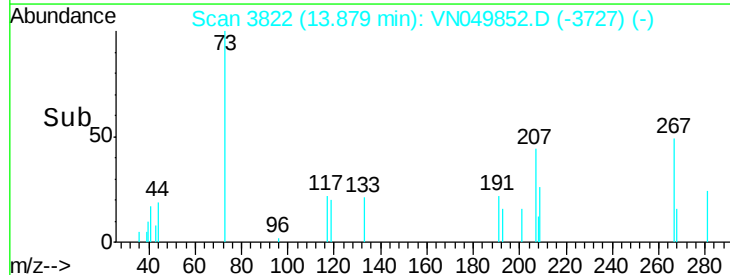
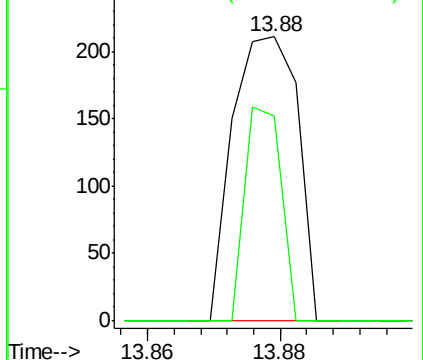
117 100

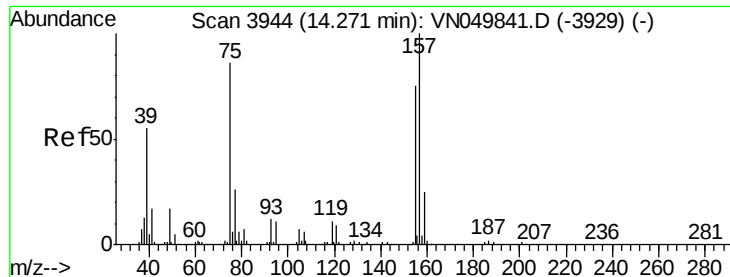
201 41.7 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

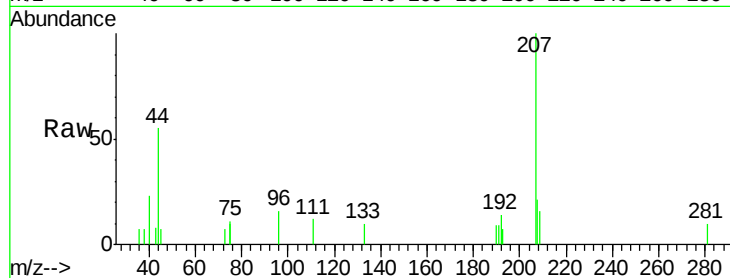
Tot Ion: 75 Resp: 717

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

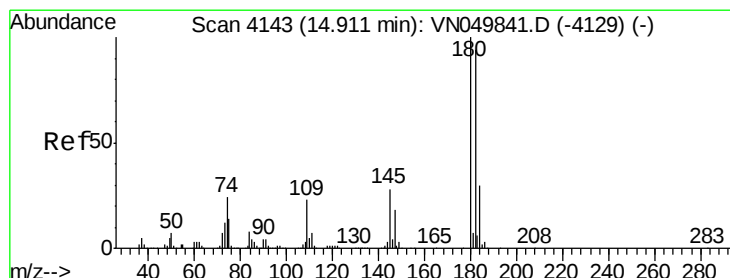
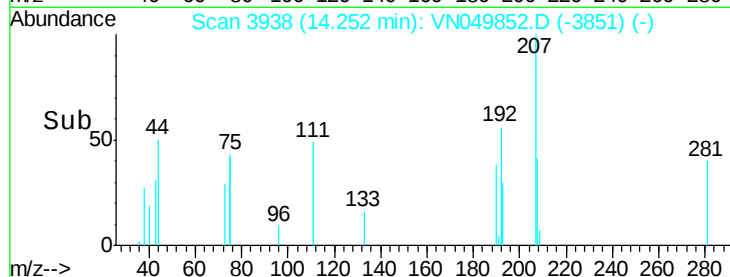
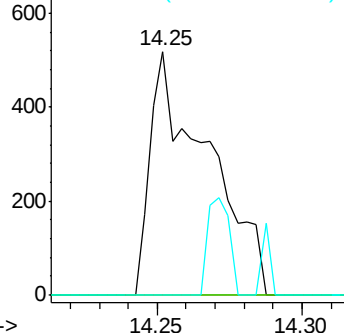
157 15.2 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.70 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

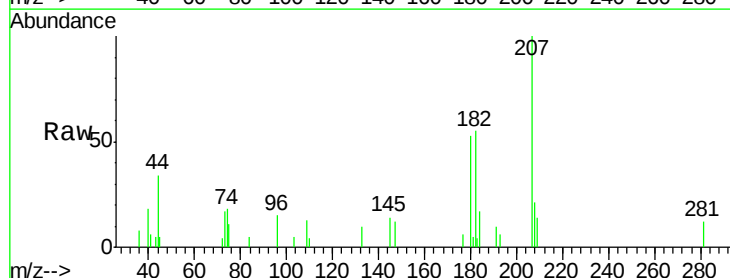
Tgt Ion:180 Resp: 3493

Ion Ratio Lower Upper

180 100

182 94.6 47.3 141.9

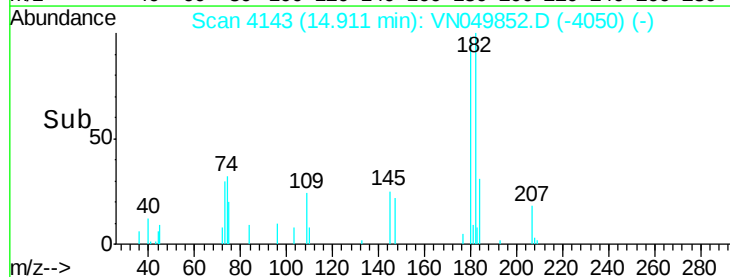
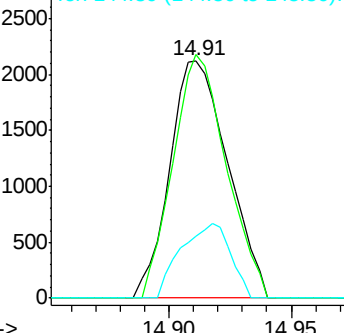
145 26.9 14.4 43.0

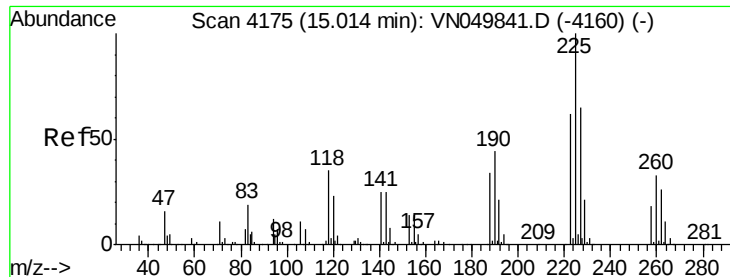


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.35 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB111173TB

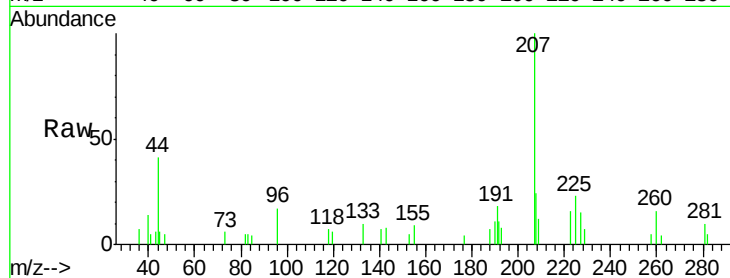
Tot Ion:225 Resp: 1232

Ion Ratio Lower Upper

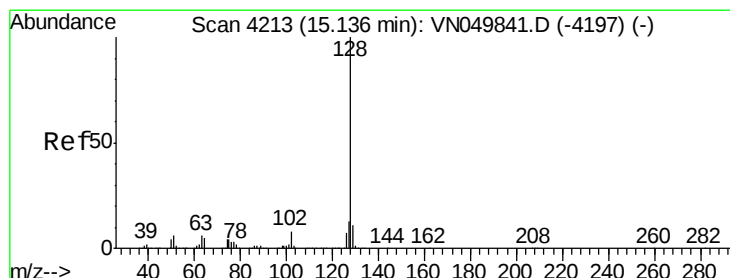
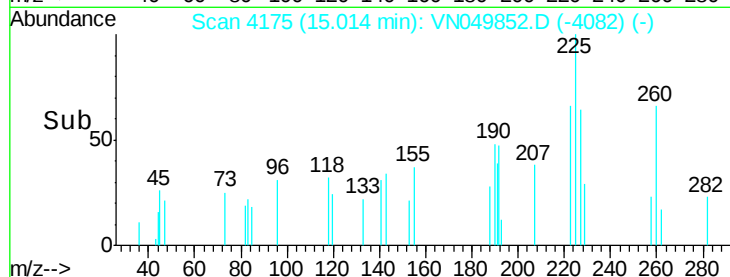
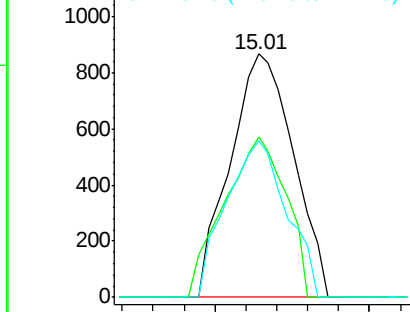
225 100

223 64.2 30.9 92.7

227 61.7 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: 3.53 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049852.D

Acq: 17 Jul 2018 17:52

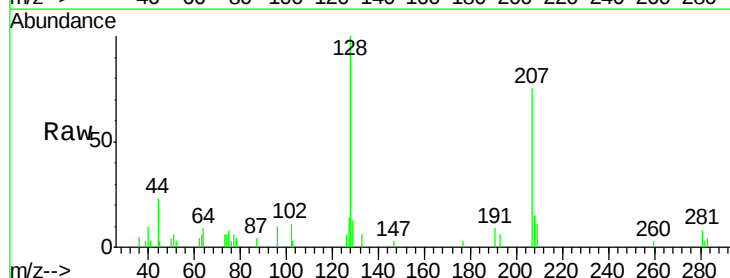
Tgt Ion:128 Resp: 10391

Ion Ratio Lower Upper

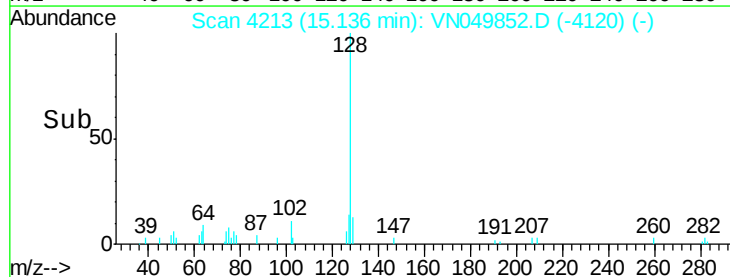
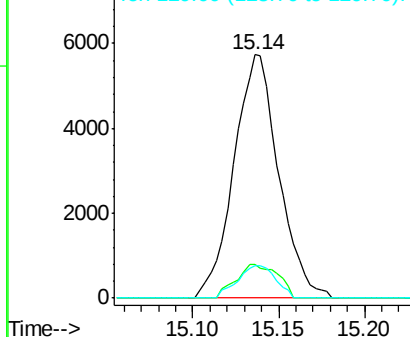
128 100

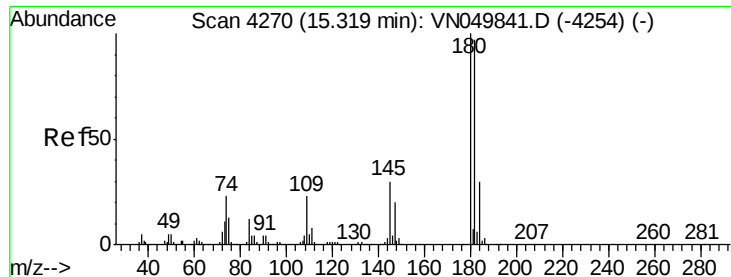
127 12.9 10.4 15.6

129 11.3 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

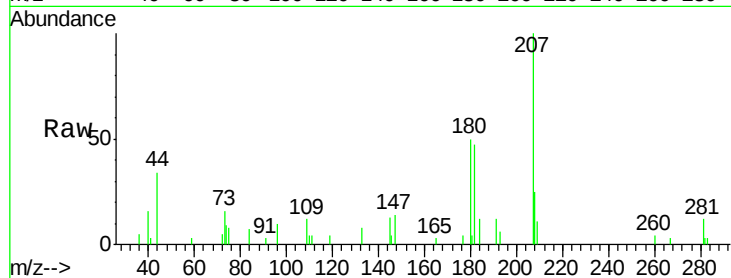




#96
 1,2,3-Trichlorobenzene
 Concen: 0.77 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049852.D
 Acq: 17 Jul 2018 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.4	142.2
145	28.9	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

