

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049853.D
 Acq On : 17 Jul 2018 18:18
 Operator : MD\SY
 Sample : PB111173ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#01

Quant Time: Jul 18 03:36:23 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	608966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	836471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	327977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	415148	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	365769	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.09	98	1312451	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.40	95	376287	40.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.22%	

Target Compounds

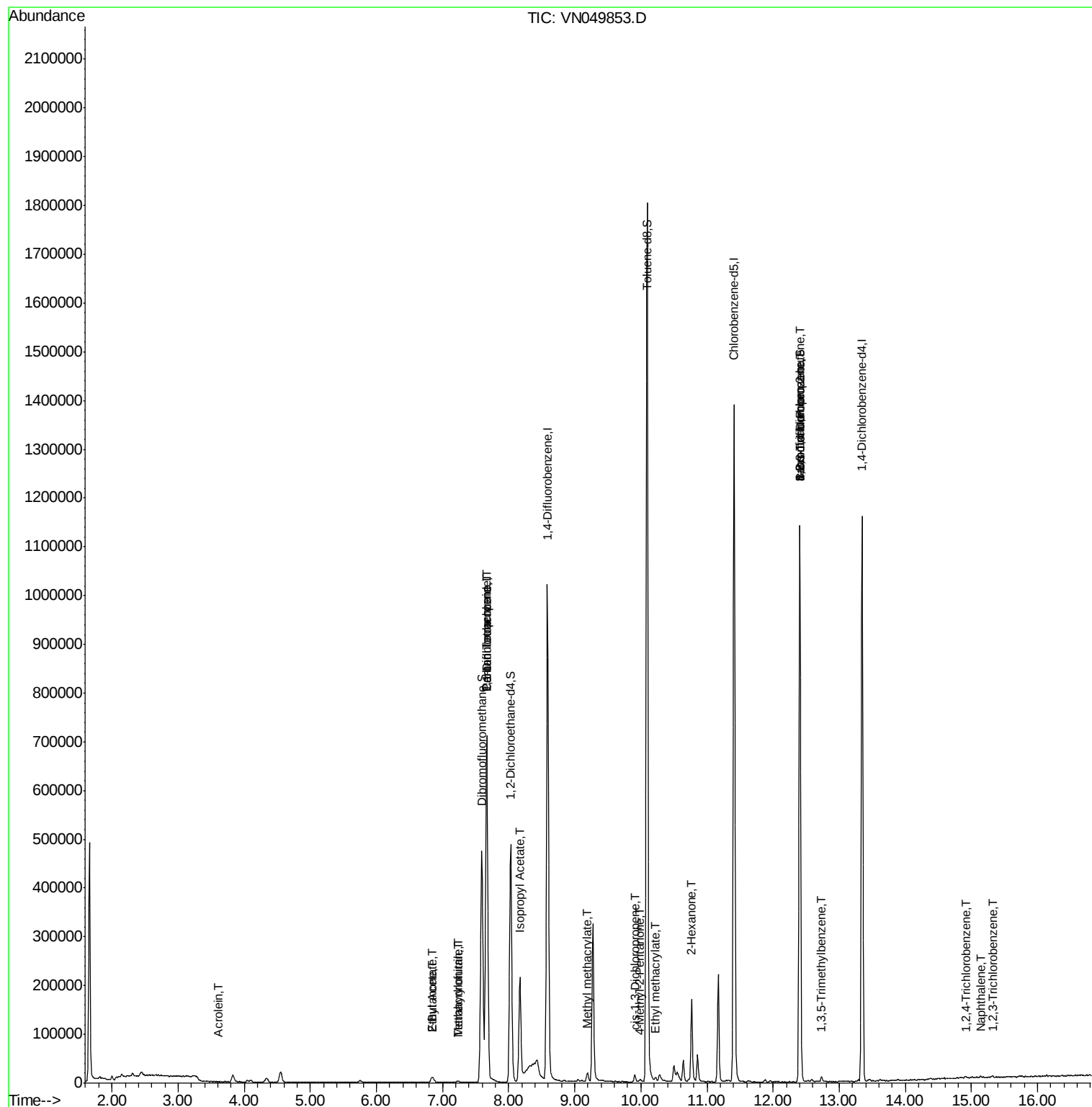
						Qvalue
2) Dichlorodifluoromethane	1.85	85	283	Below Cal	#	44
3) Chloromethane	2.06	50	1207	Below Cal		99
5) Bromomethane	2.56	94	1550	Below Cal	#	77
6) Chloroethane	2.70	64	191	Below Cal	#	43
7) Trichlorofluoromethane	3.00	101	434	Below Cal		85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	352	Below Cal	#	51
13) Acrolein	3.61	56	66	15.86	ug/l #	1
16) Acetone	3.83	43	25673	Below Cal		99
17) Carbon Disulfide	4.05	76	4838	Below Cal		96
20) Methylene Chloride	4.55	84	15847	Below Cal		99
25) 2-Butanone	6.86	43	5638	1.68	ug/l	93
29) Tetrahydrofuran	7.23	42	1917	0.90	ug/l #	81
31) Cyclohexane	7.66	56	11416	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	42032	4.18	ug/l #	49
37) Ethyl Acetate	6.86	43	5638	0.75	ug/l #	83
38) Carbon Tetrachloride	7.67	117	54780	5.17	ug/l #	16
41) Methacrylonitrile	7.22	41	1277	0.33	ug/l #	30
43) Isopropyl Acetate	8.17	43	253872	19.90	ug/l	96
48) Methyl methacrylate	9.18	41	10535	1.67	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3625	0.48	ug/l	88
54) cis-1,3-Dichloropropene	9.90	75	2818	0.24	ug/l #	70
56) Ethyl methacrylate	10.23	69	3141	0.35	ug/l #	84
59) 2-Hexanone	10.77	43	25543	4.97	ug/l #	56
71) Bromoform	12.40	173	3244	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	185308	28.88	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4455	0.24	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	185308	94.50	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	366	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1134	0.22	ug/l	90
95) Naphthalene	15.14	128	3169	3.04	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	1241	0.23	ug/l	99

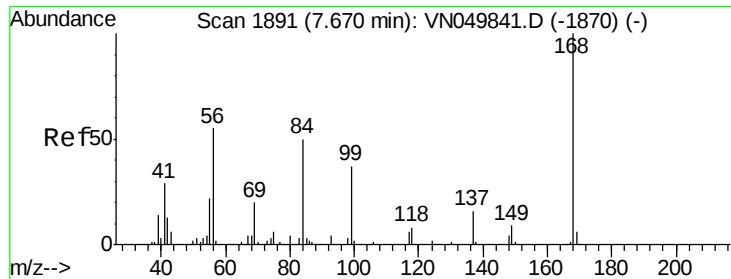
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 17 13:20:18 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

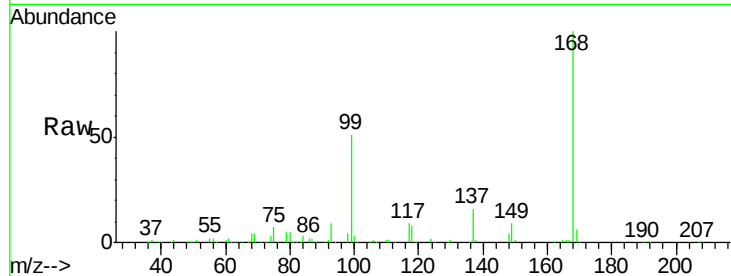
PB111173ZHE#01

Tot Ion:168 Resp: 608966

Ion Ratio Lower Upper

168 100

99 51.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

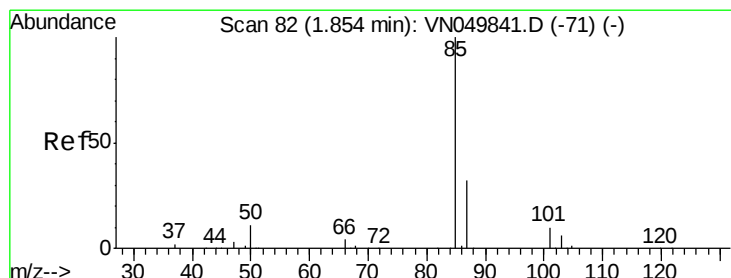
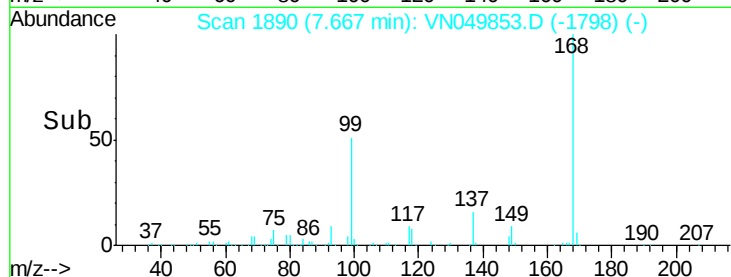
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049853.D

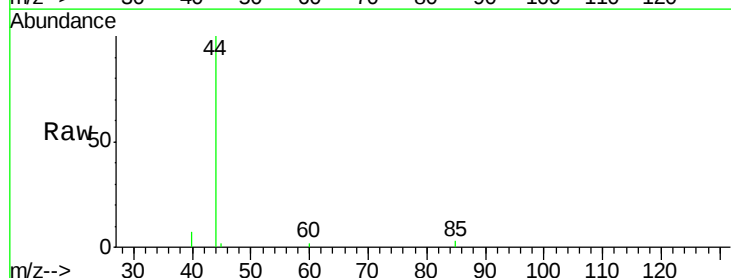
Acq: 17 Jul 2018 18:18

Tgt Ion: 85 Resp: 283

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250

200

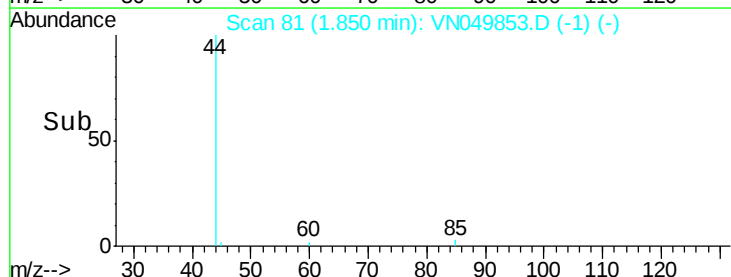
150

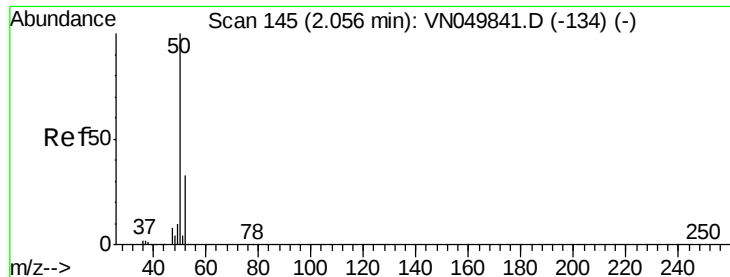
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

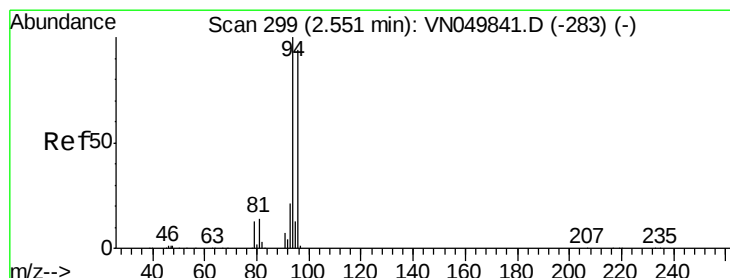
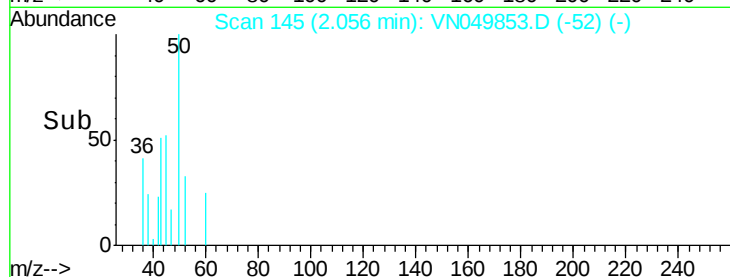
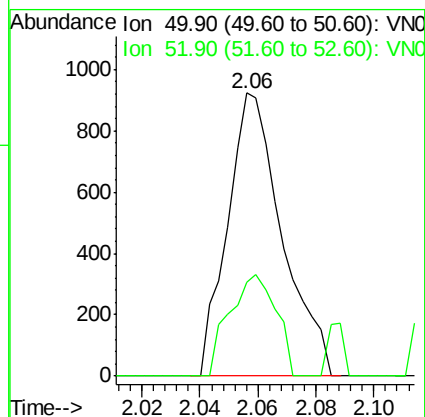
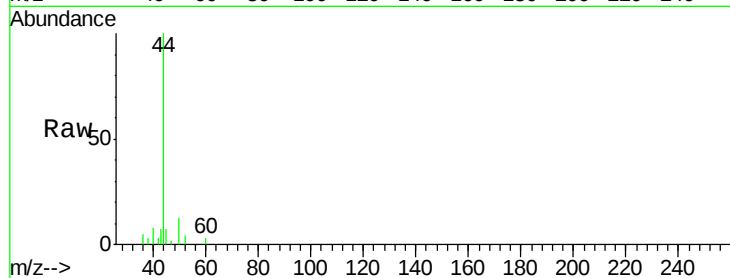
PB111173ZHE#01

Tot Ion: 50 Resp: 1207

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049853.D

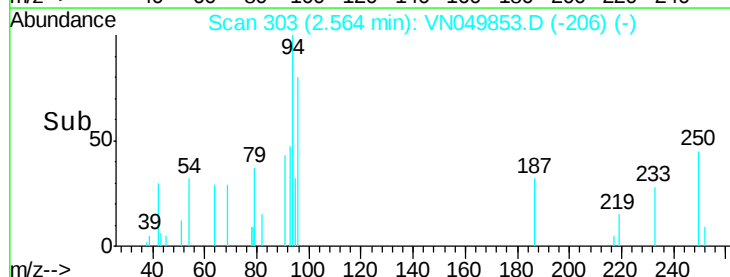
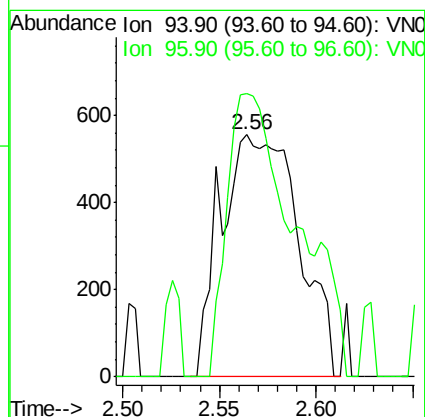
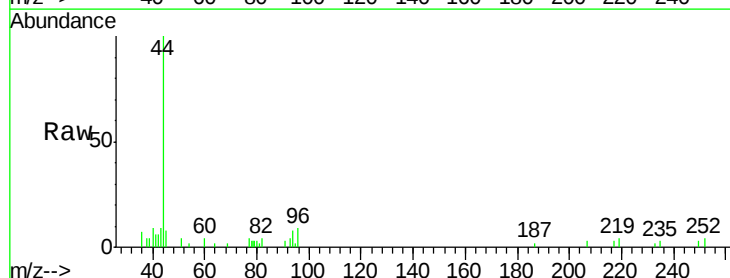
Acq: 17 Jul 2018 18:18

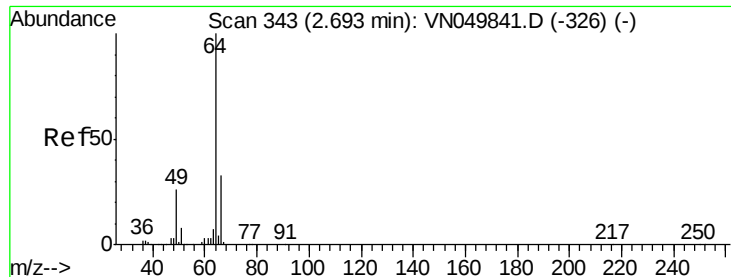
Tgt Ion: 94 Resp: 1550

Ion Ratio Lower Upper

94 100

96 116.9 75.7 113.5#





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

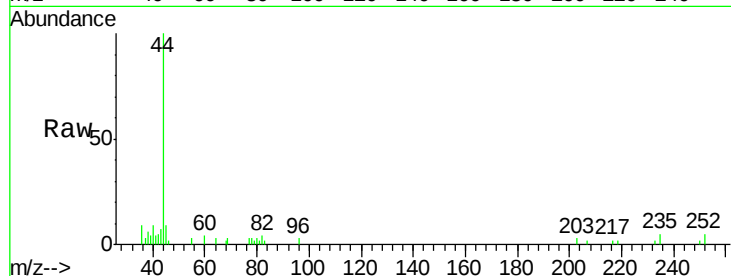
PB111173ZHE#01

Tot Ion: 64 Resp: 191

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

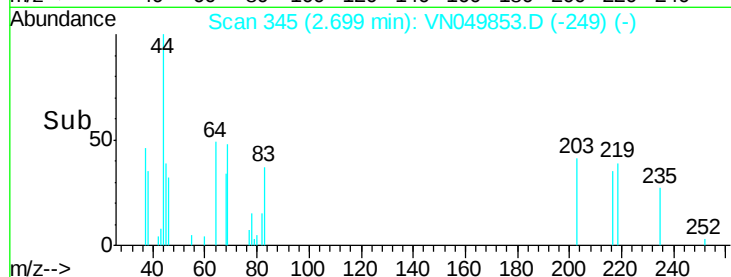


Abundance Ion 63.90 (63.60 to 64.60): VN049841.D (-326) (-)

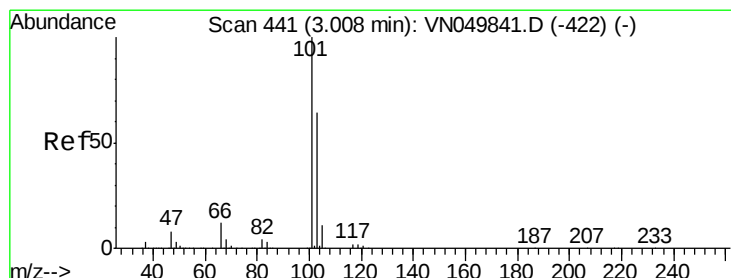
Ion 65.90 (65.60 to 66.60): VN049841.D (-326) (-)

2.70

2.68 2.69 2.70 2.71



Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN049853.D

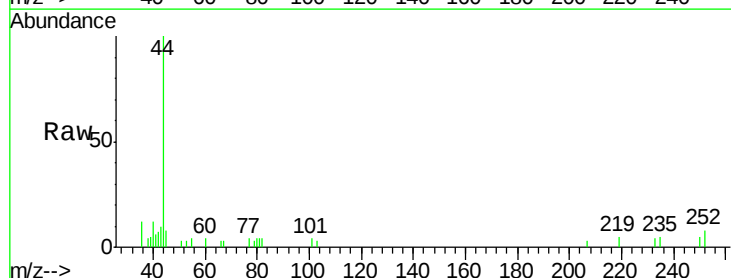
Acq: 17 Jul 2018 18:18

Tgt Ion: 101 Resp: 434

Ion Ratio Lower Upper

101 100

103 78.0 52.8 79.2

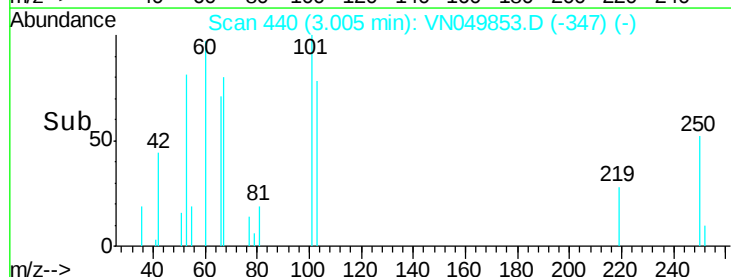


Abundance Ion 100.90 (100.60 to 101.60): VN049841.D (-422) (-)

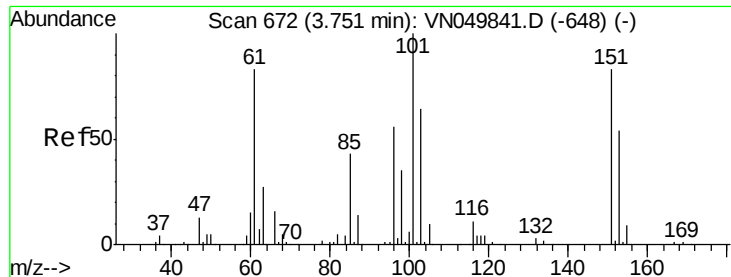
Ion 102.80 (102.50 to 103.50): VN049841.D (-422) (-)

3.00

2.98 3.00 3.02 3.04



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#01

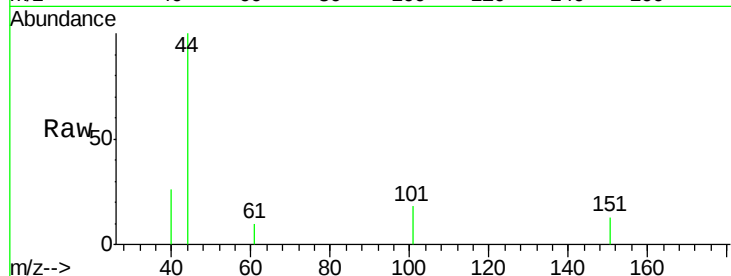
Tot Ion:101 Resp: 352

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

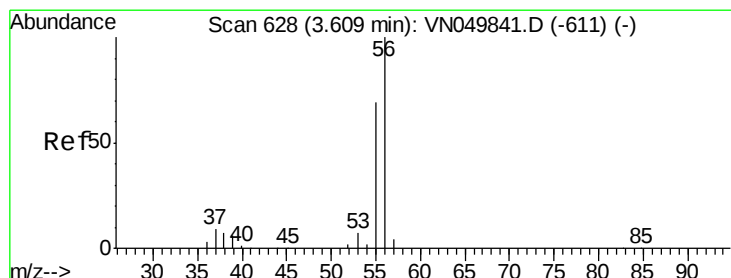
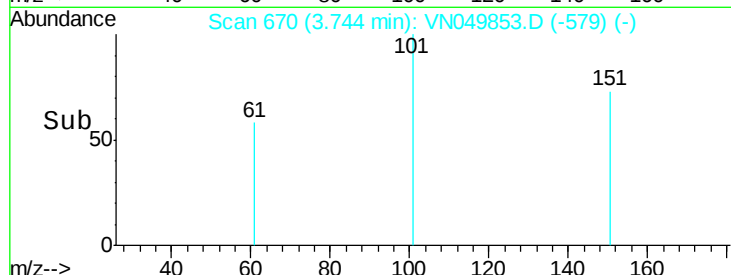
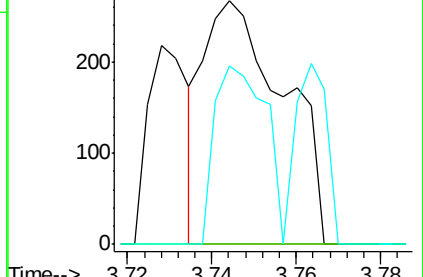
151 46.6 66.2 99.4#



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: 15.86 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049853.D

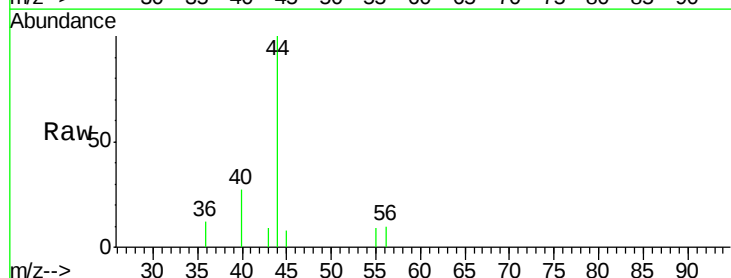
Acq: 17 Jul 2018 18:18

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

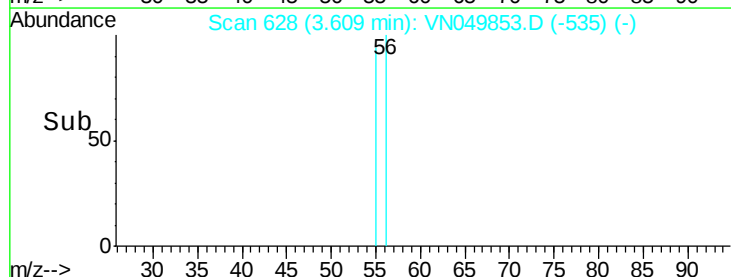
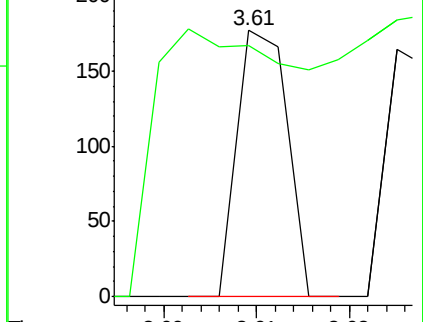
56 100

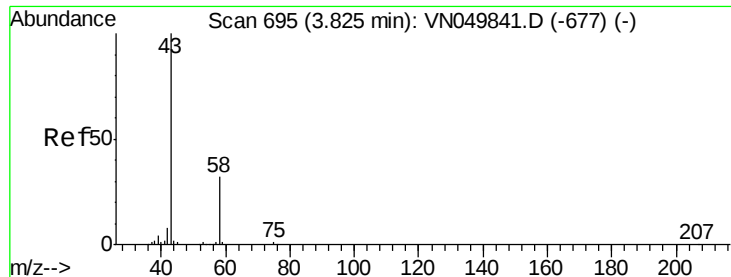
55 284.8 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

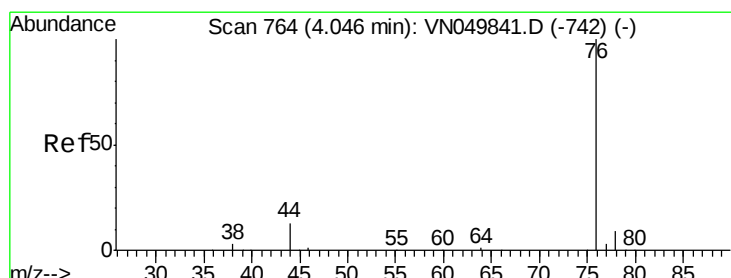
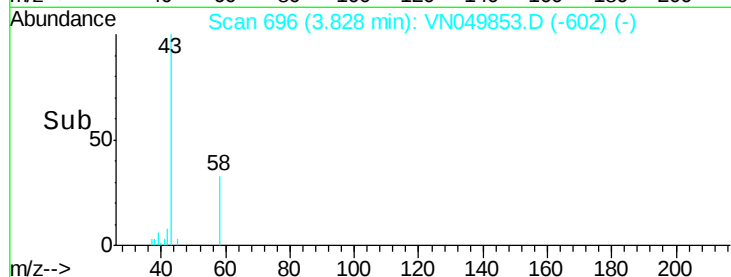
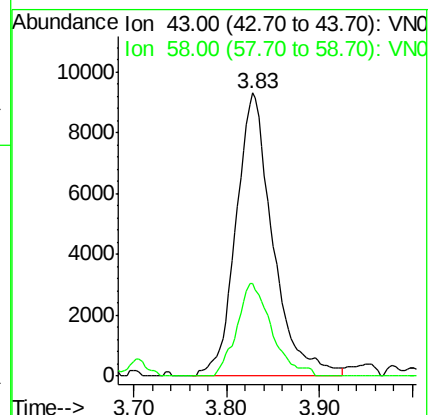
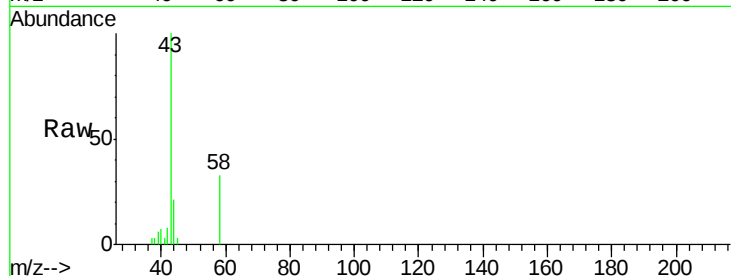
PB111173ZHE#01

Tot Ion: 43 Resp: 25673

Ion Ratio Lower Upper

43 100

58 32.8 25.9 38.9



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049853.D

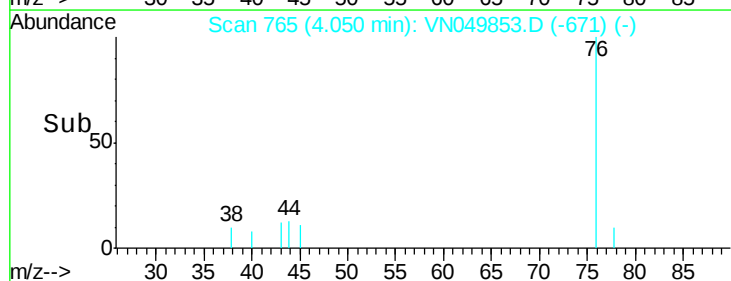
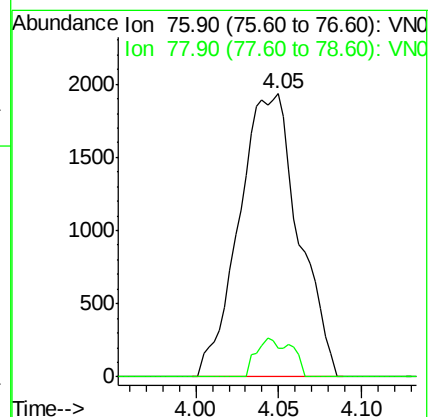
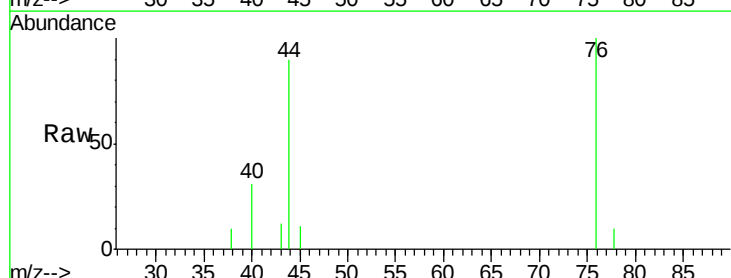
Acq: 17 Jul 2018 18:18

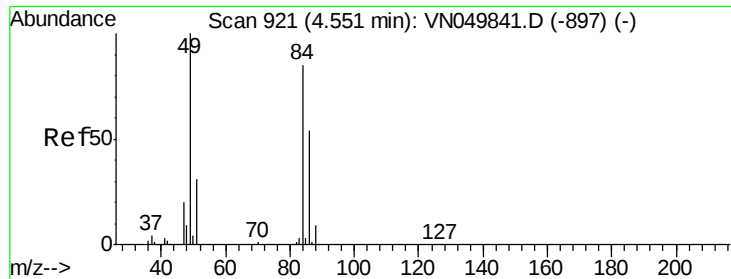
Tgt Ion: 76 Resp: 4838

Ion Ratio Lower Upper

76 100

78 10.2 7.1 10.7

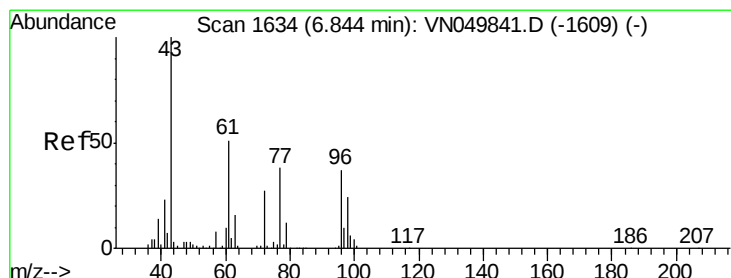
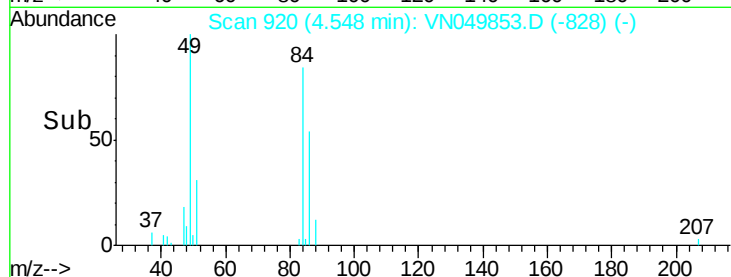
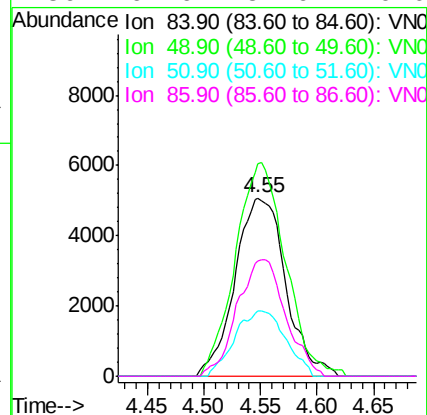
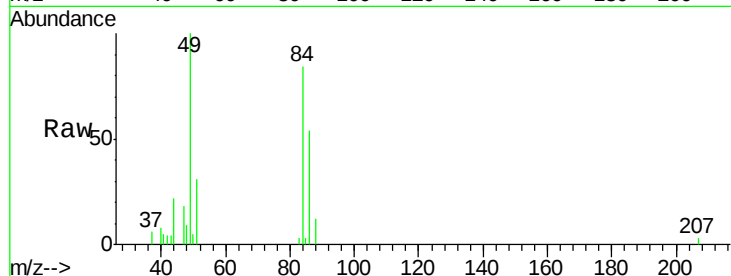




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

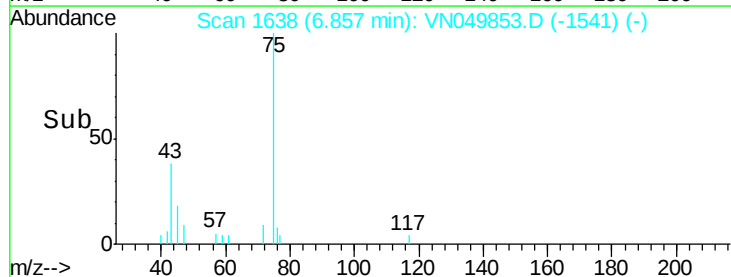
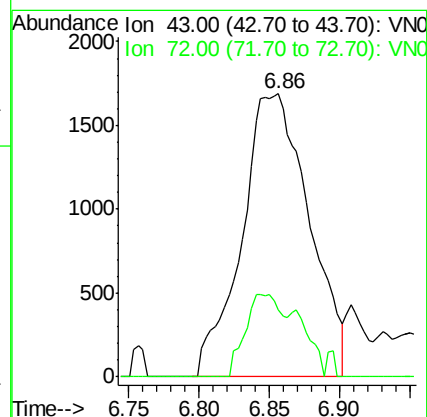
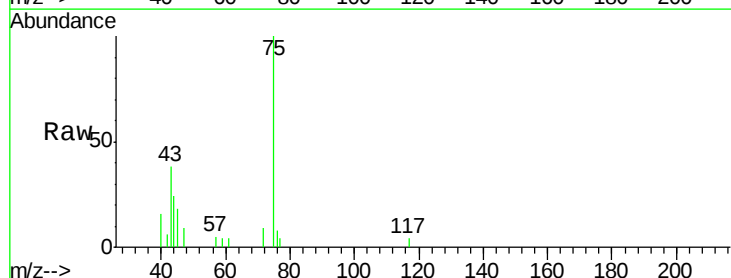
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#01

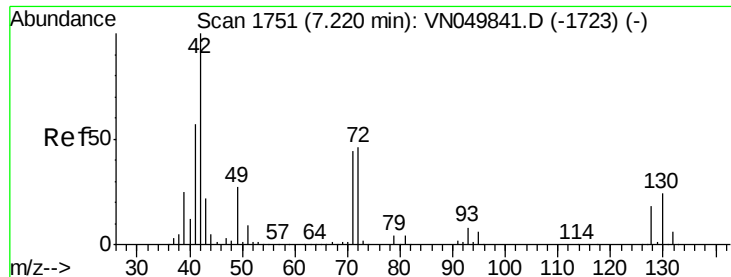
Tot Ion:	84	Resp:	15847
Ion	Ratio	Lower	Upper
84	100		
49	119.0	95.4	143.2
51	36.4	28.4	42.6
86	64.6	52.6	79.0



#25
2-Butanone
Concen: 1.68 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

Tgt Ion:	43	Resp:	5638
Ion	Ratio	Lower	Upper
43	100		
72	23.9	22.1	33.1





#29

Tetrahydrofuran

Concen: 0.90 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#01

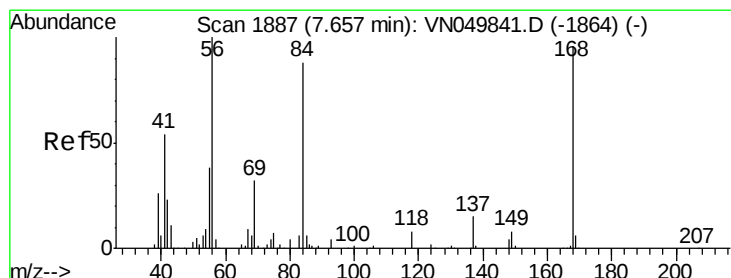
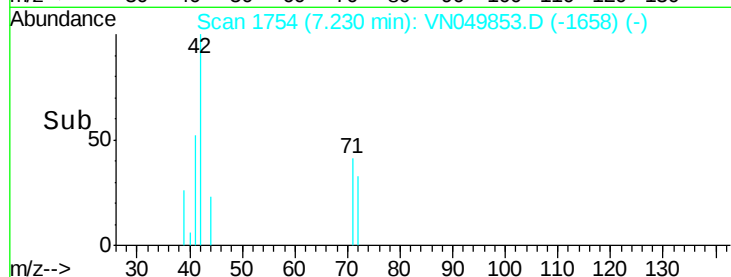
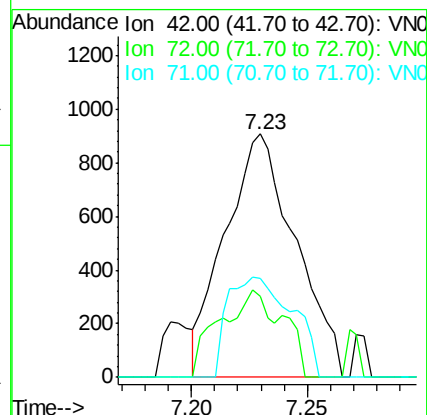
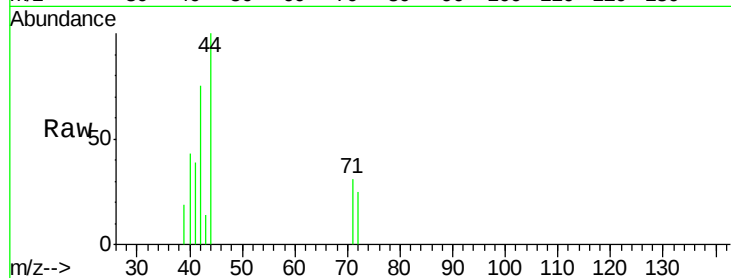
Tot Ion: 42 Resp: 1917

Ion Ratio Lower Upper

42 100

72 25.5 35.6 53.4#

71 37.8 34.0 51.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

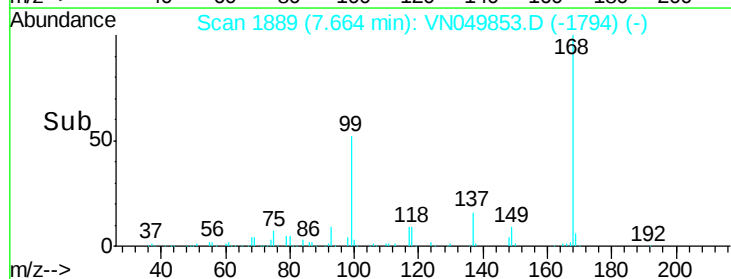
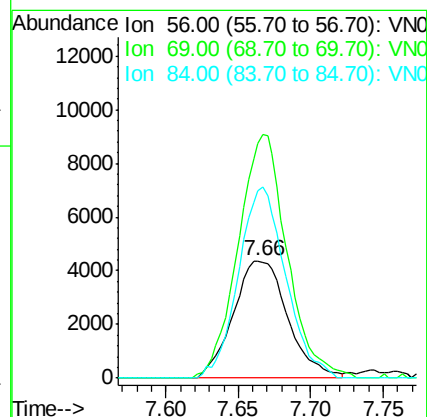
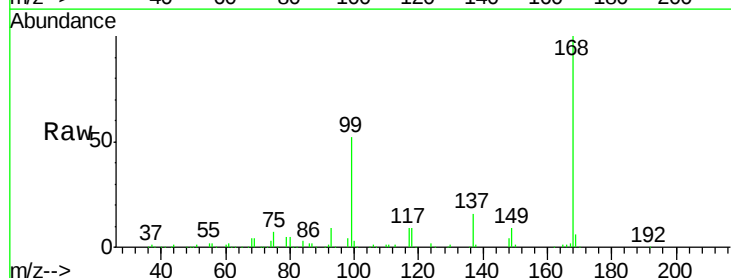
Tgt Ion: 56 Resp: 11416

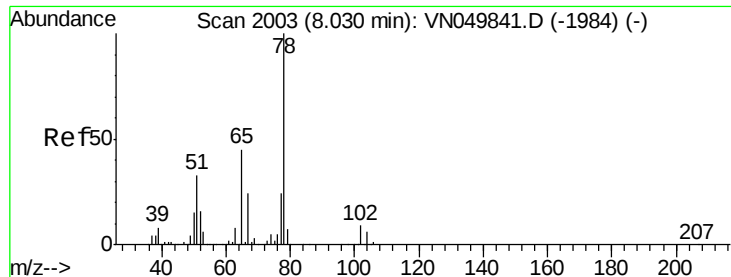
Ion Ratio Lower Upper

56 100

69 199.6 26.6 40.0#

84 159.4 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 50.89 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

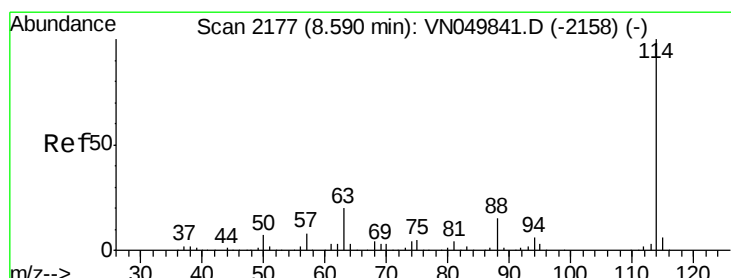
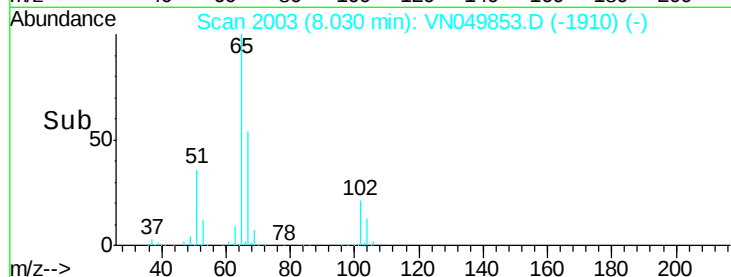
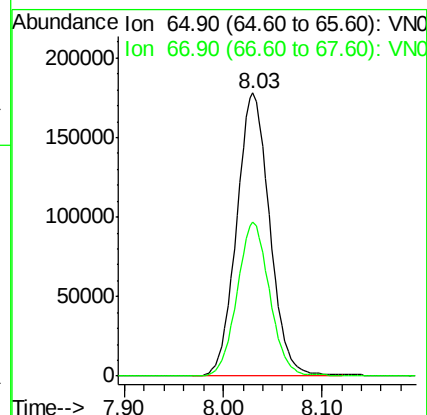
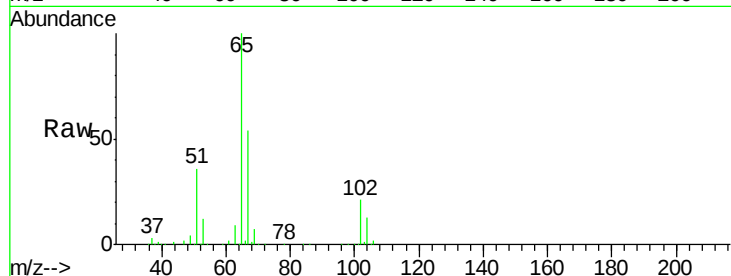
PB111173ZHE#01

Tot Ion: 65 Resp: 415148

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

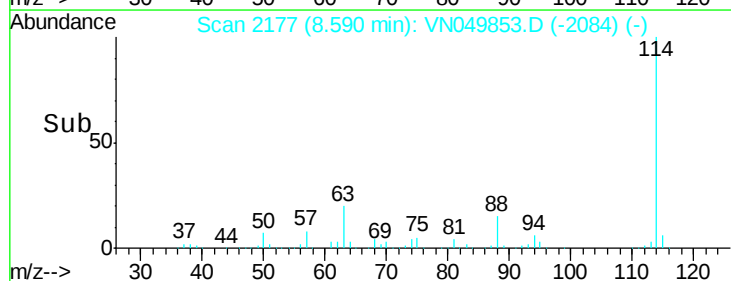
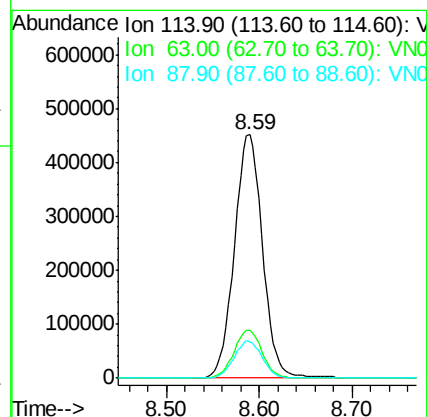
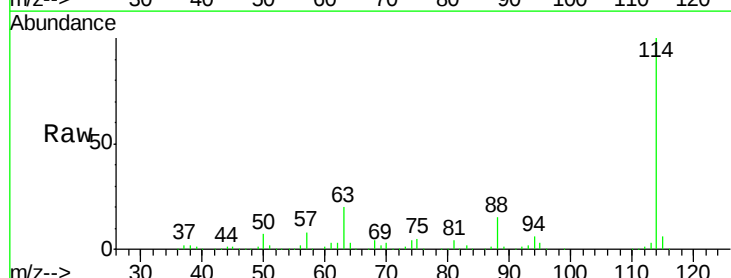
Tgt Ion: 114 Resp: 950002

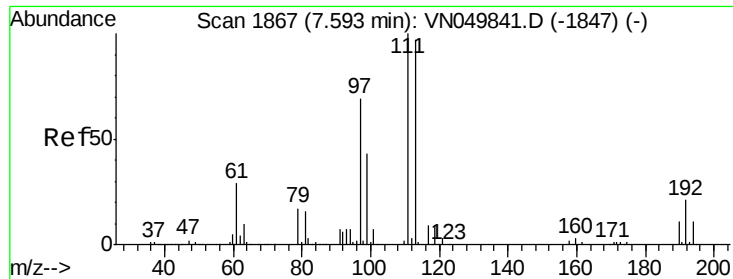
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 15.1 0.0 30.6

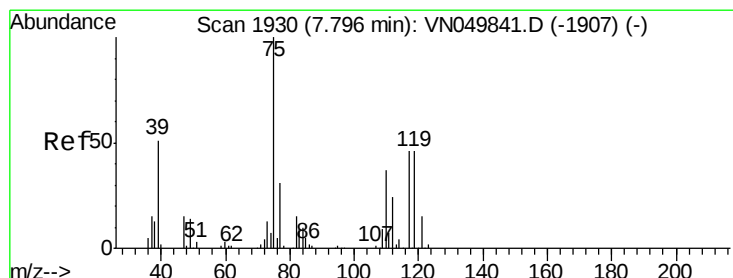
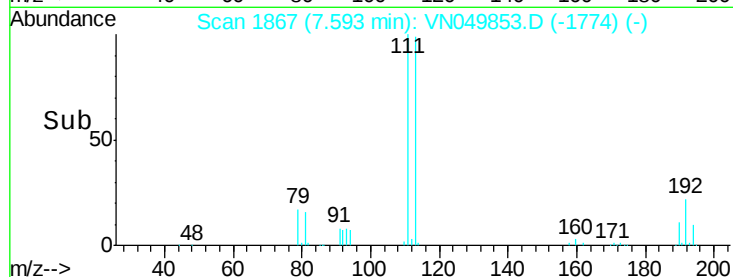
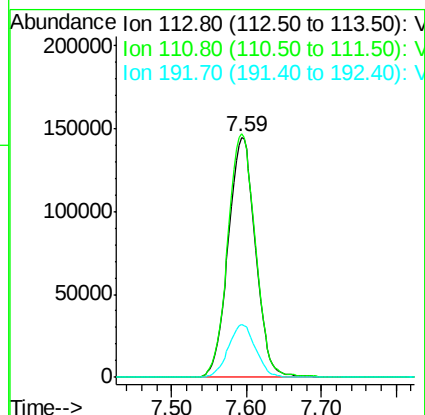
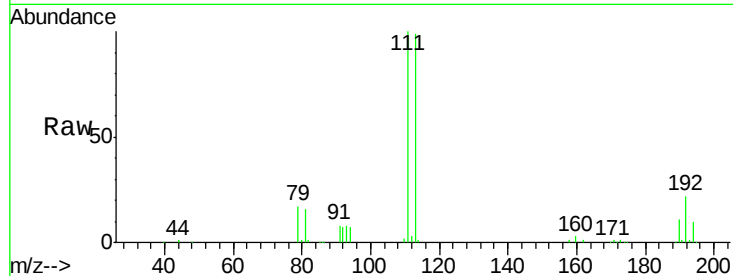




#35
 Dibromofluoromethane
 Concen: 48.54 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049853.D
 Acq: 17 Jul 2018 18:18

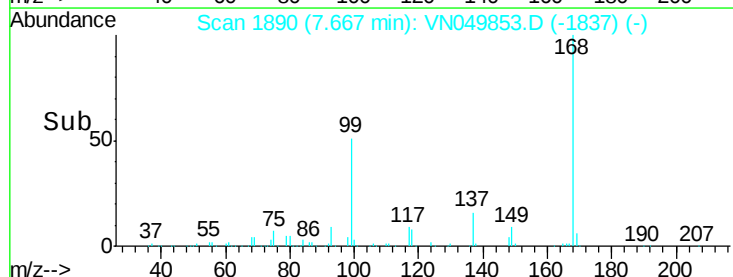
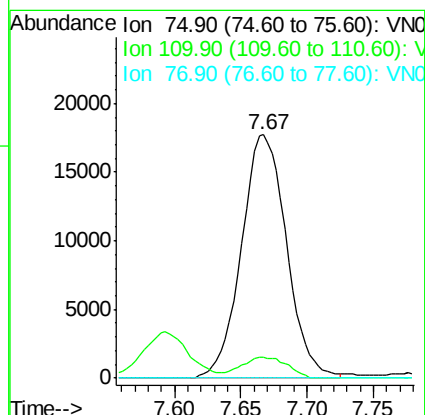
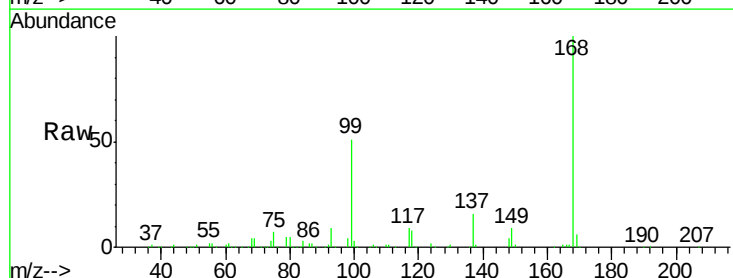
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#01

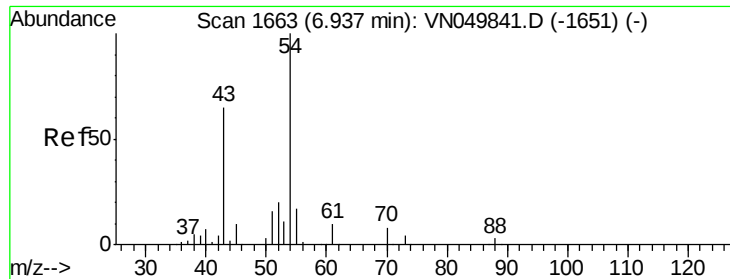
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.18 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049853.D
 Acq: 17 Jul 2018 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.4#
77	0.0	24.9	37.3#

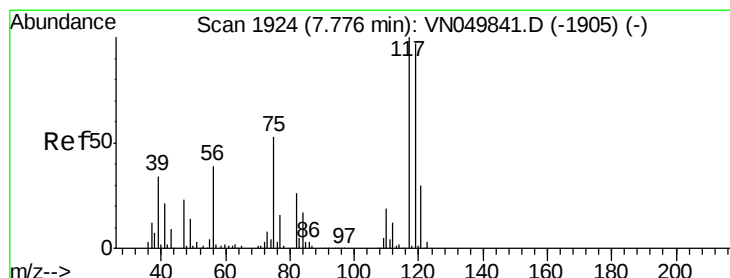
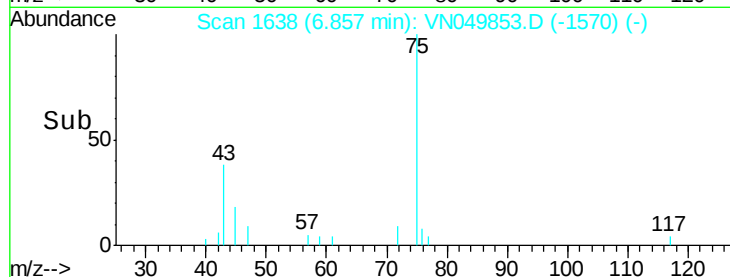
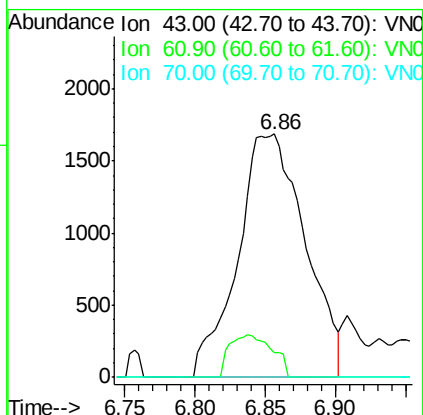
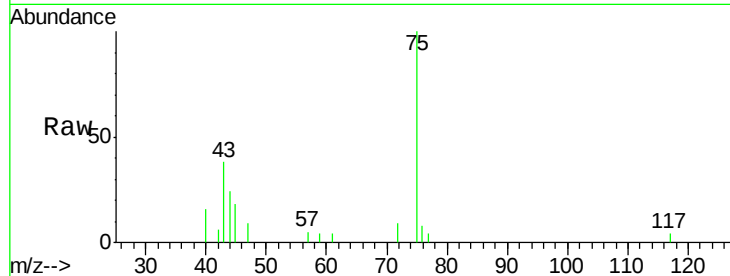




#37
Ethyl Acetate
Concen: 0.75 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. -0.08 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

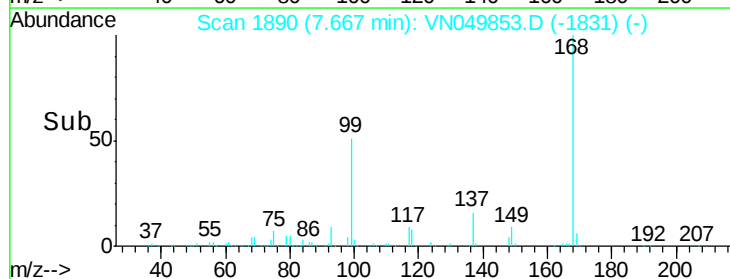
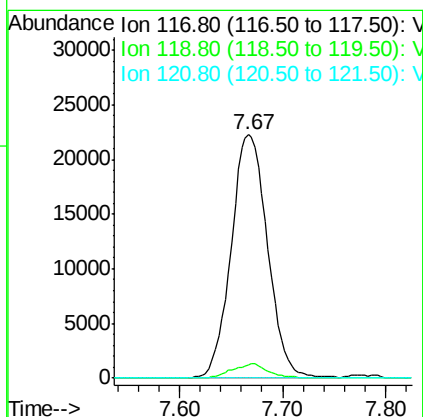
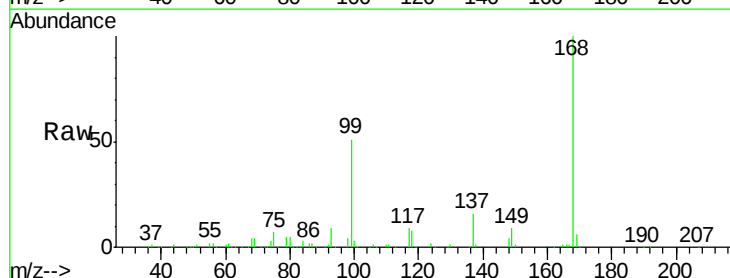
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#01

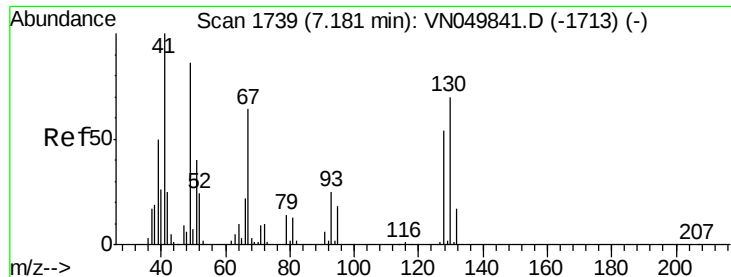
Tot Ion: 43 Resp: 5638
Ion Ratio Lower Upper
43 100
61 11.1 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

Tgt Ion: 117 Resp: 54780
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 25.0 37.6#

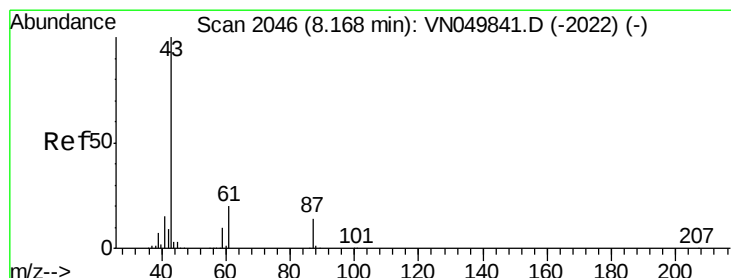
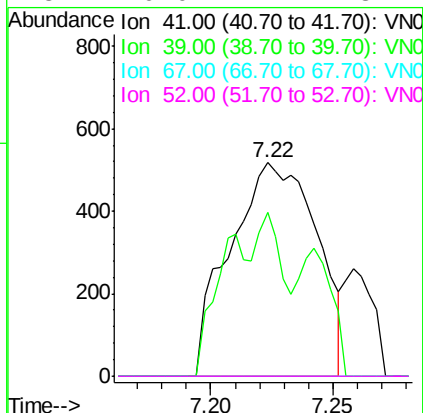
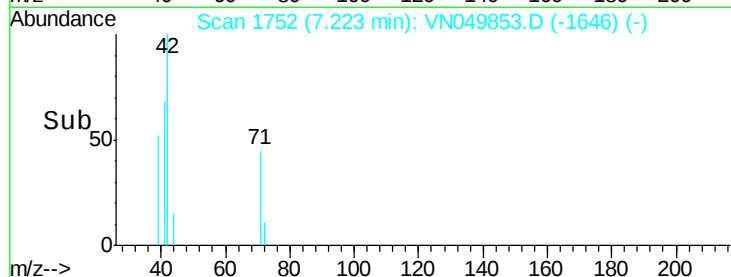
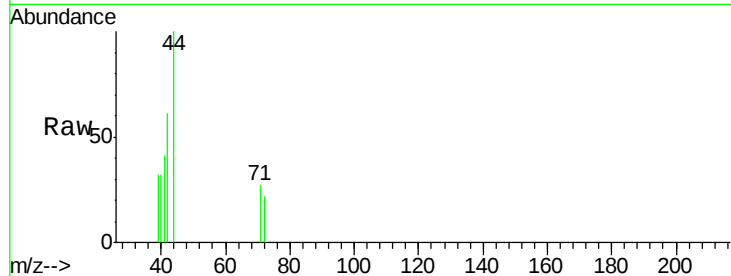




#41
Methacrylonitrile
Concen: 0.33 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.04 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

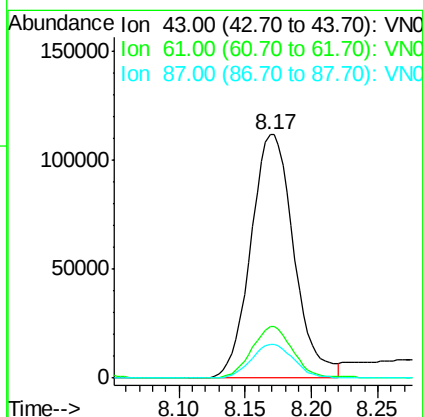
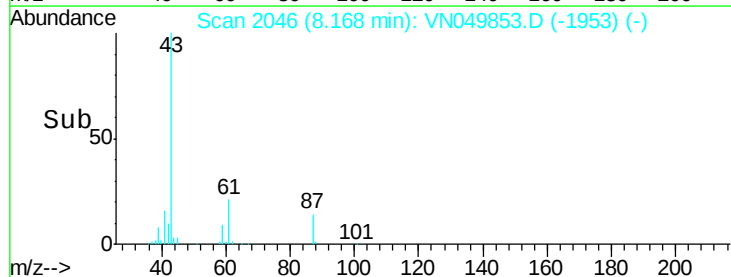
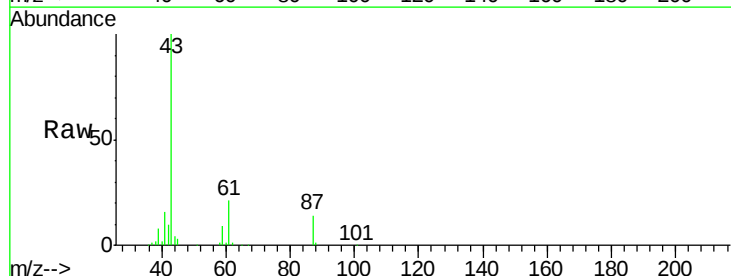
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#01

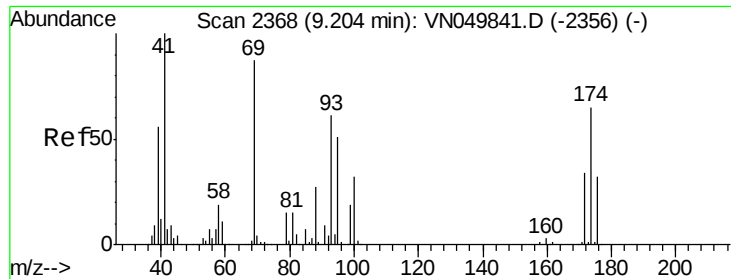
Tot Ion: 41 Resp: 1277
Ion Ratio Lower Upper
41 100
39 22.9 45.4 68.2#
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 19.90 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

Tgt Ion: 43 Resp: 253872
Ion Ratio Lower Upper
43 100
61 20.3 14.9 22.3
87 13.7 10.0 15.0

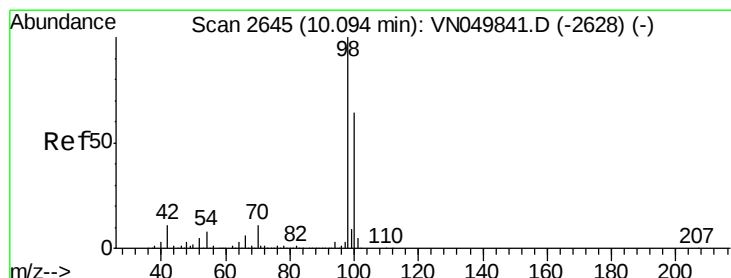
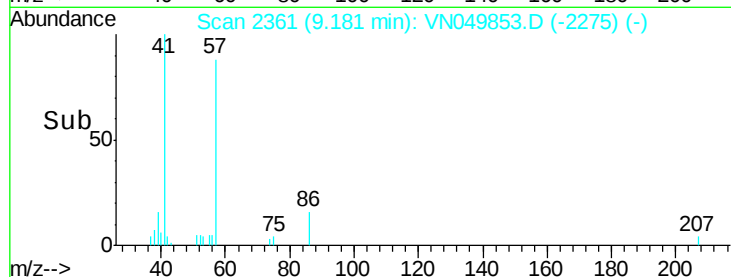
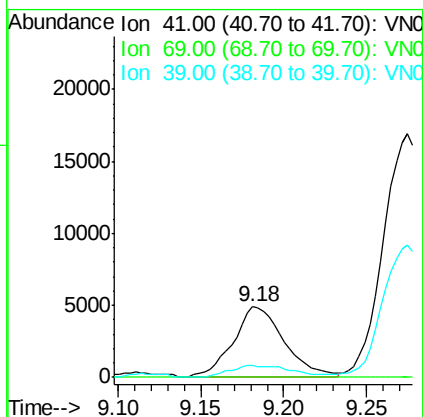
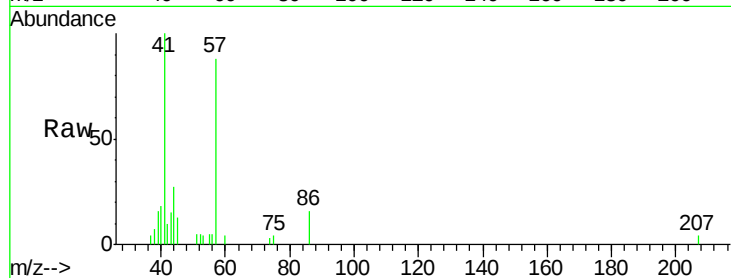




#48
Methvl methacrylate
Concen: 1.67 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

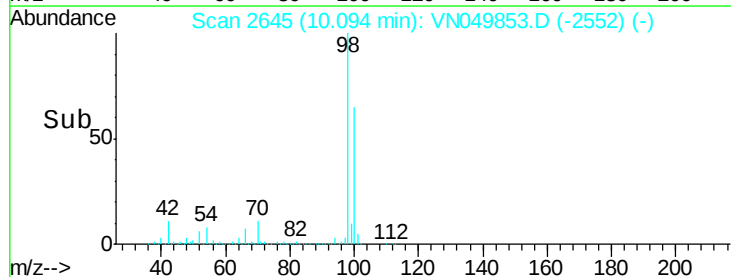
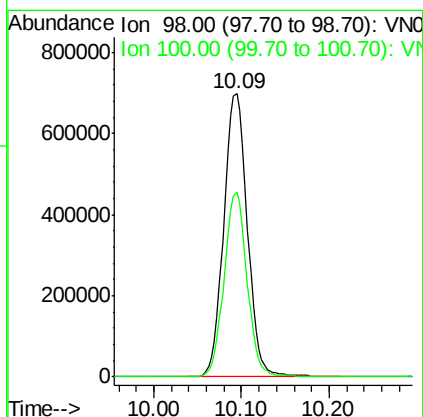
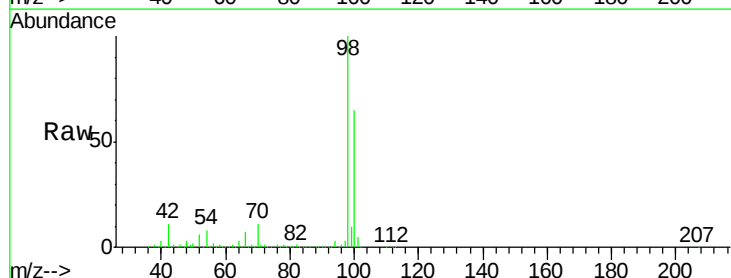
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#01

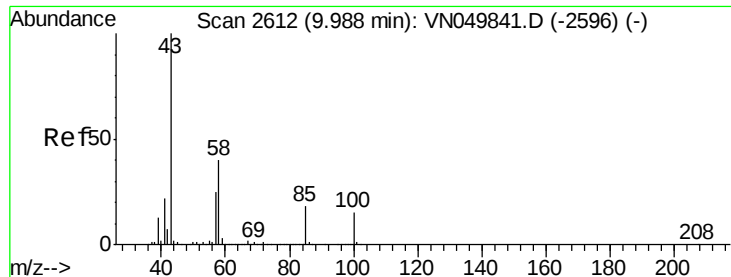
Tot Ion: 41 Resp: 10535
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 19.7 44.7 67.1#



#50
Toluene-d8
Concen: 47.44 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

Tgt Ion: 98 Resp: 1312451
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

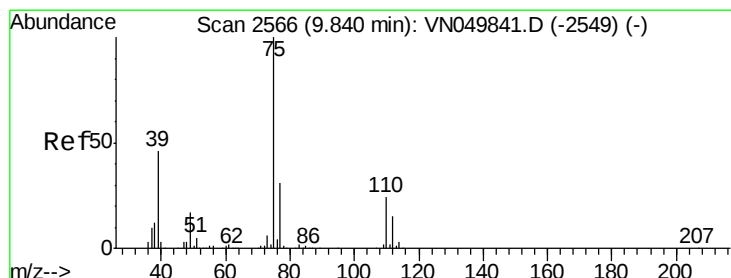
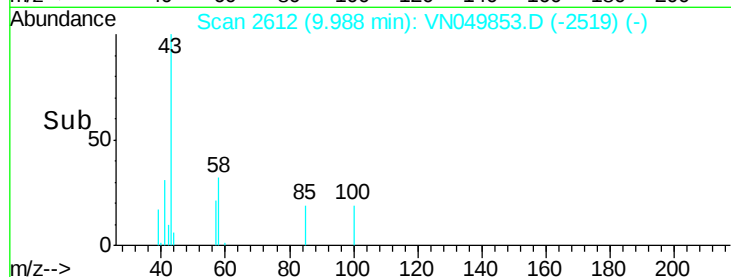
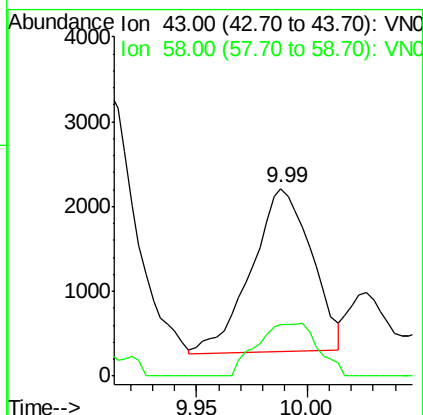
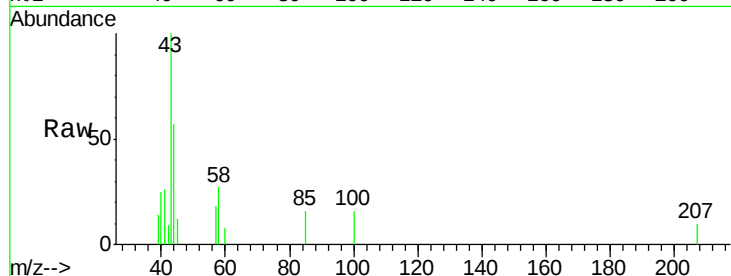




#51
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

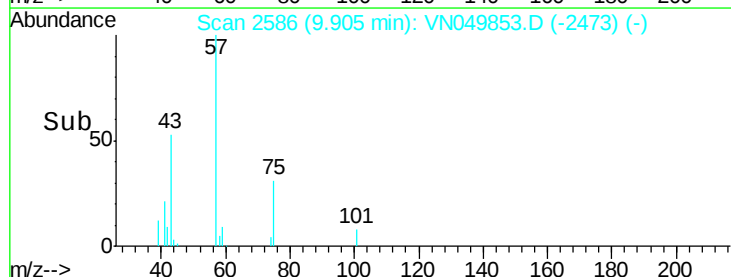
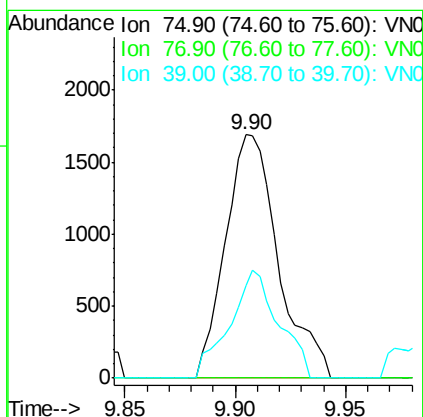
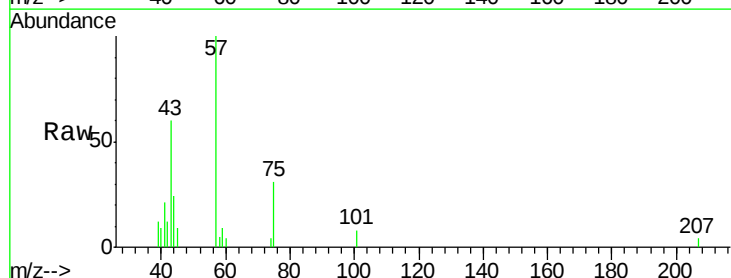
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#01

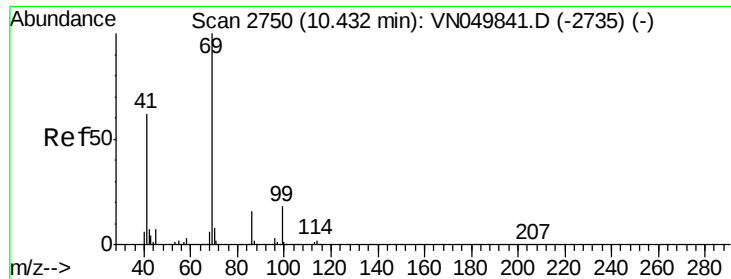
Tot Ion: 43 Resp: 3625
Ion Ratio Lower Upper
43 100
58 32.7 31.8 47.8



#54
cis-1,3-Dichloropropene
Concen: 0.24 ug/l
RT: 9.90 min Scan# 2586
Delta R.T. 0.06 min
Lab File: VN049853.D
Acq: 17 Jul 2018 18:18

Tgt Ion: 75 Resp: 2818
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 37.9 35.5 53.3





#56

Ethyl methacrylate

Concen: 0.35 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#01

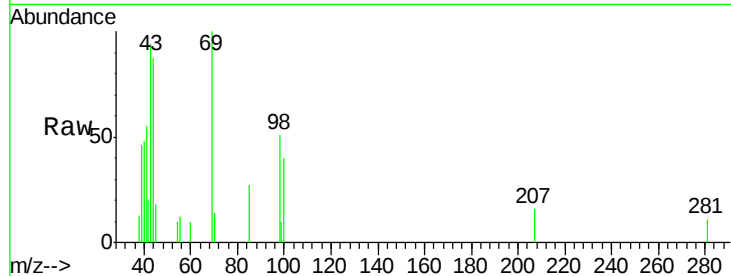
Tot Ion: 69 Resp: 3141

Ion Ratio Lower Upper

69 100

41 68.2 51.6 77.4

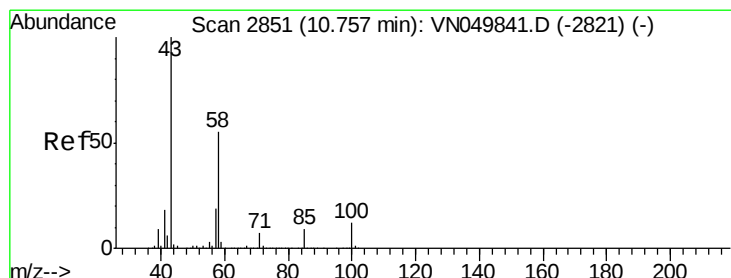
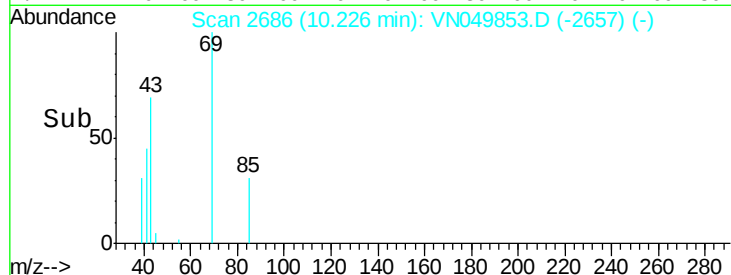
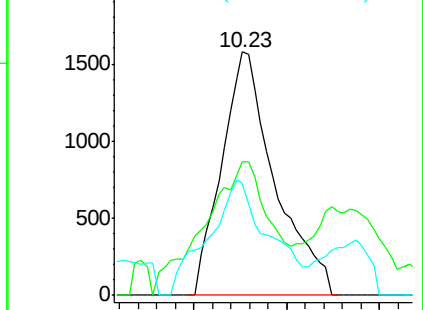
39 54.1 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN049853.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049853.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049853.D (-2657) (-)



#59

2-Hexanone

Concen: 4.97 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049853.D

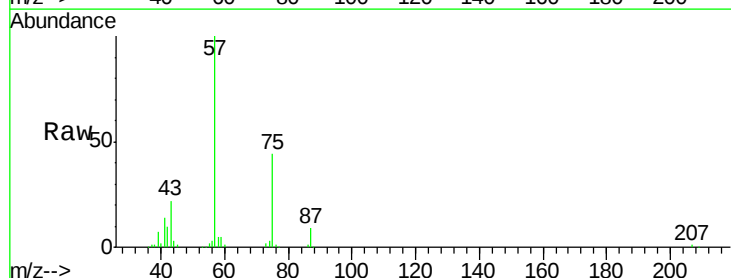
Acq: 17 Jul 2018 18:18

Tgt Ion: 43 Resp: 25543

Ion Ratio Lower Upper

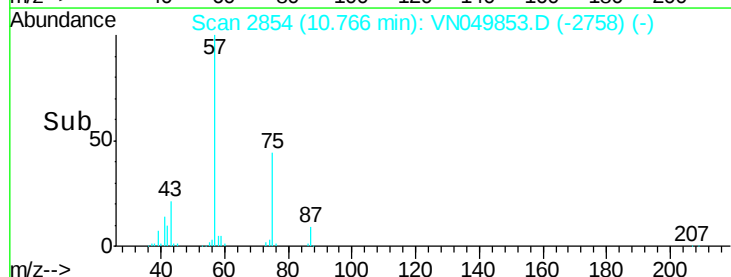
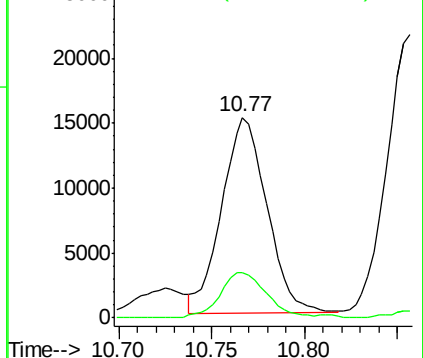
43 100

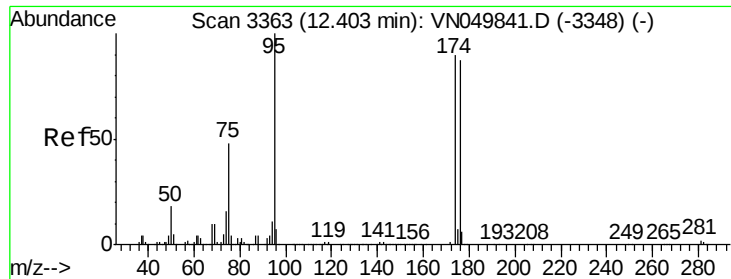
58 23.8 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN049853.D (-2758) (-)

Ion 58.00 (57.70 to 58.70): VN049853.D (-2758) (-)





#62

4-Bromofluorobenzene

Concen: 40.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#01

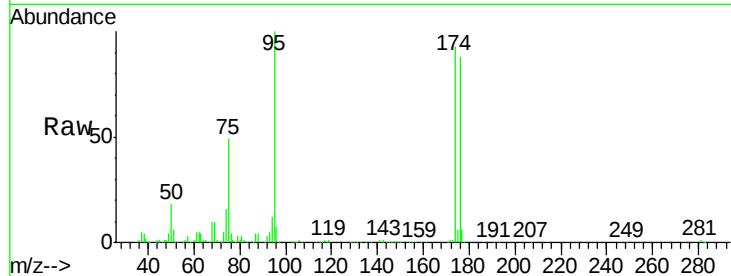
Tot Ion: 95 Resp: 376287

Ion Ratio Lower Upper

95 100

174 92.2 0.0 179.6

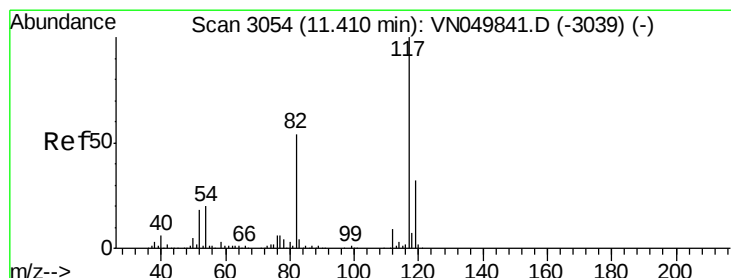
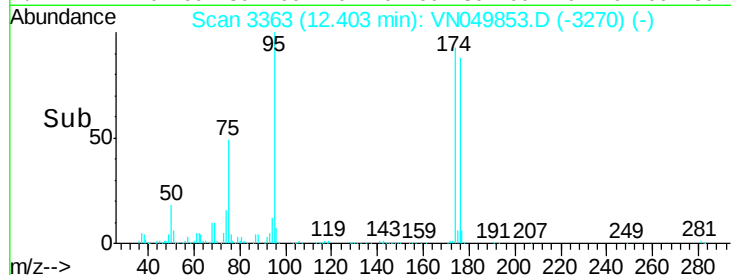
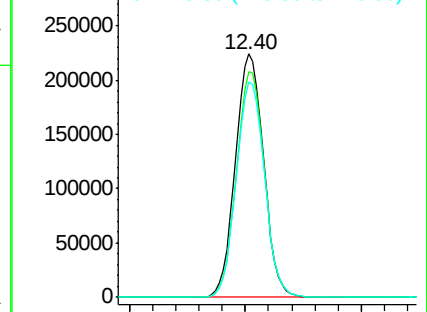
176 88.6 0.0 174.0



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: VN049853.D

Acq: 17 Jul 2018 18:18

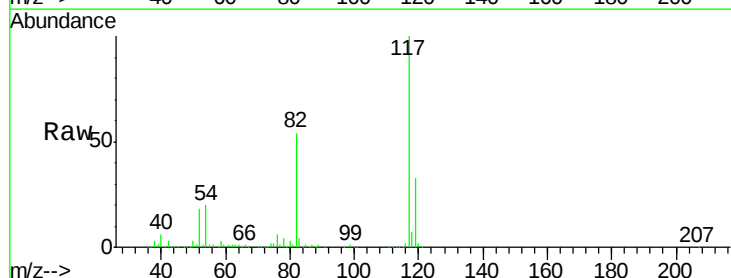
Tgt Ion: 117 Resp: 836471

Ion Ratio Lower Upper

117 100

82 53.9 41.9 62.9

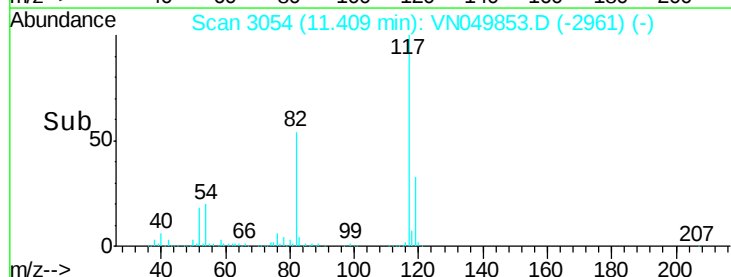
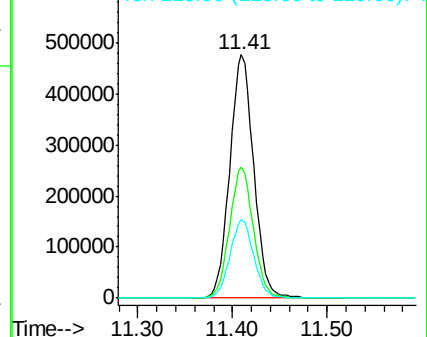
119 32.5 25.4 38.2

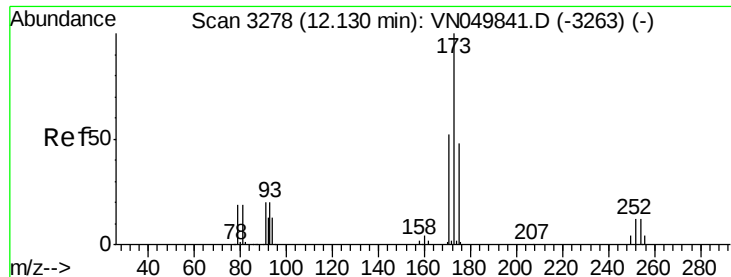


Abundance Ion 116.90 (116.60 to 117.60): VN049841.D (-3039) (-)

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

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





#71

Bromoform

Concen: 0.55 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#01

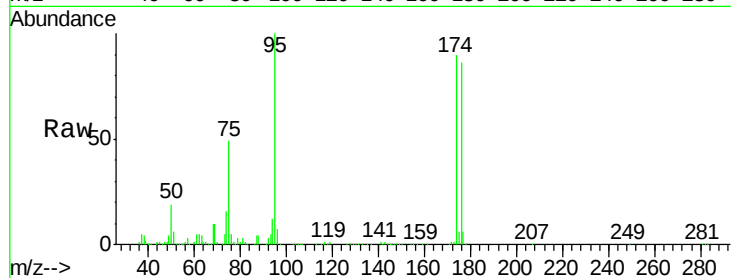
Tot Ion:173 Resp: 3244

Ion Ratio Lower Upper

173 100

175 684.3 24.6 73.8#

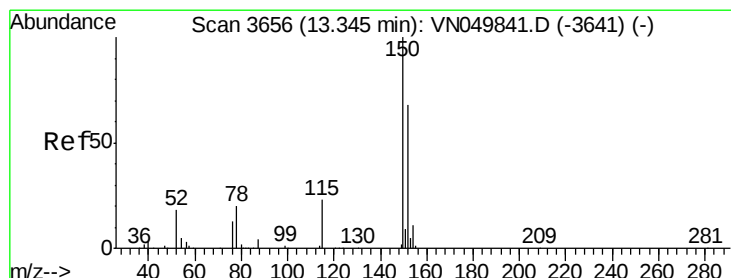
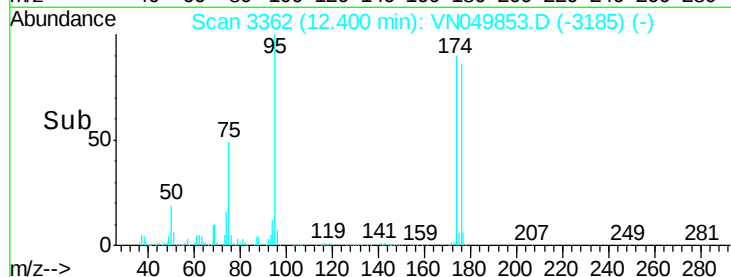
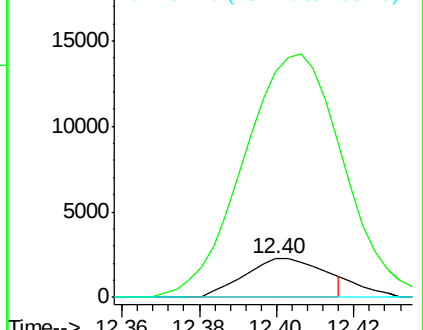
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

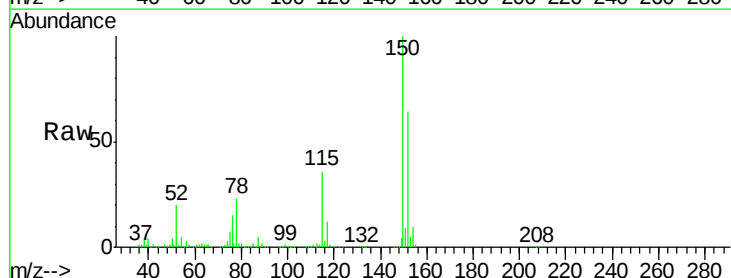
Tgt Ion:152 Resp: 327977

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

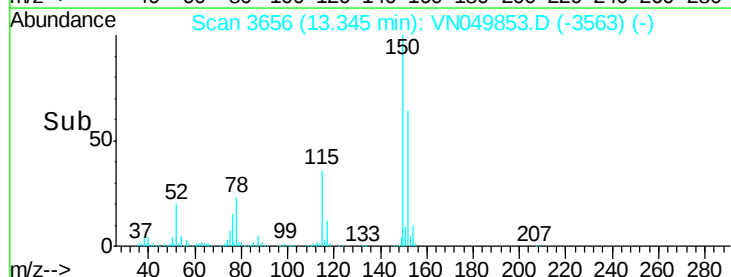
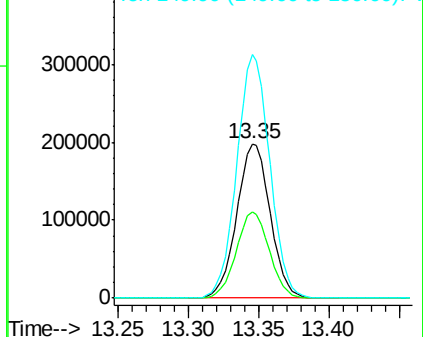
150 156.4 0.0 347.6

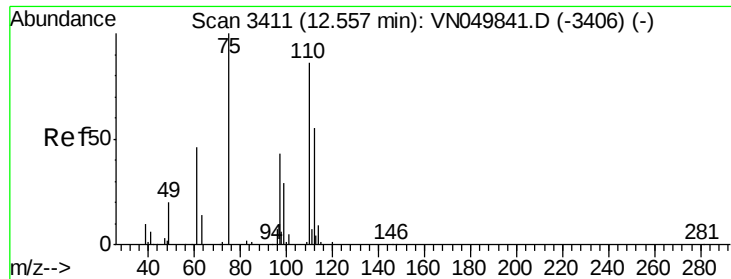


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

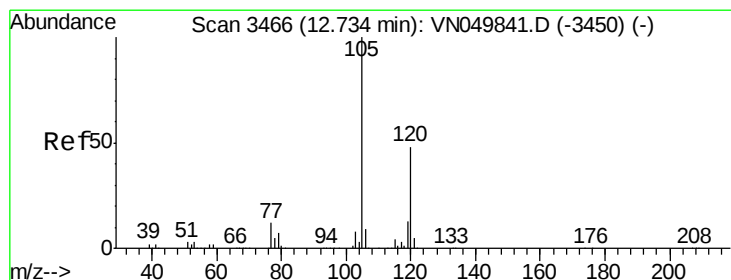
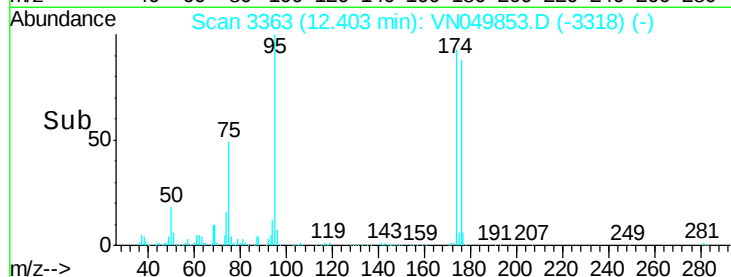
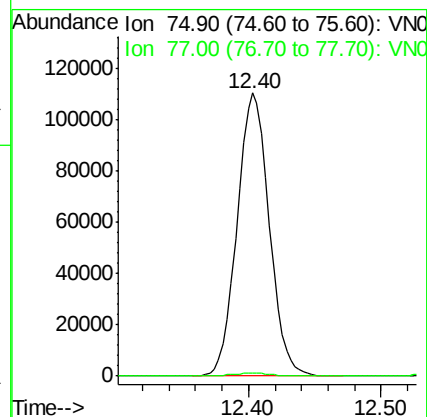
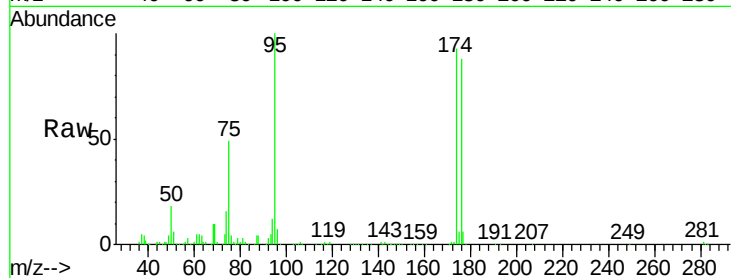
PB111173ZHE#01

Tot Ion: 75 Resp: 185308

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049853.D

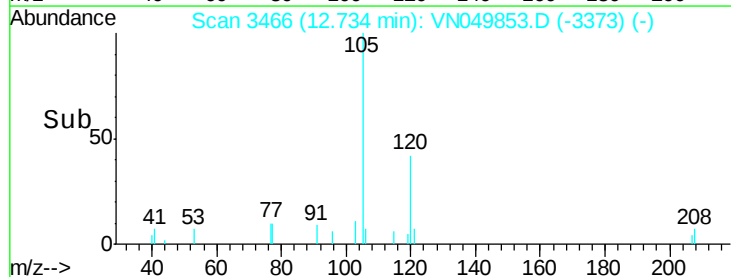
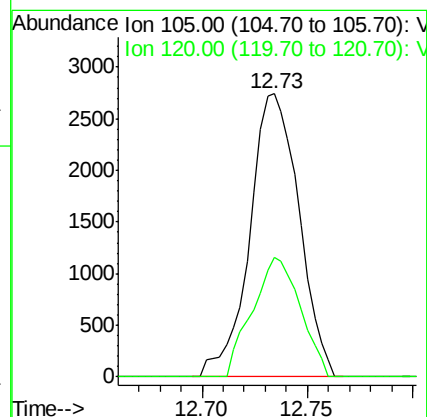
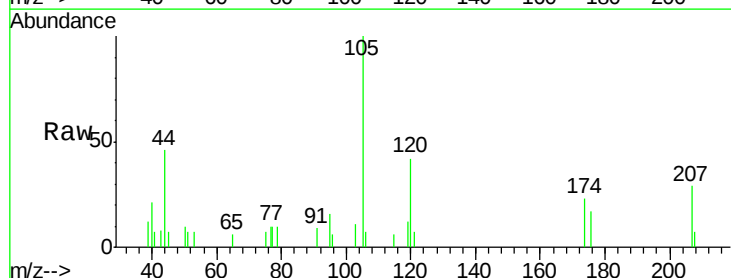
Acq: 17 Jul 2018 18:18

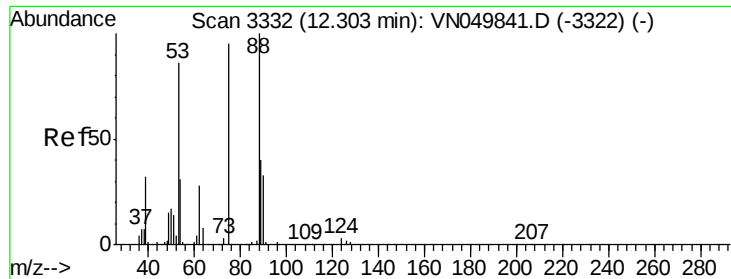
Tgt Ion: 105 Resp: 4455

Ion Ratio Lower Upper

105 100

120 40.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 94.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#01

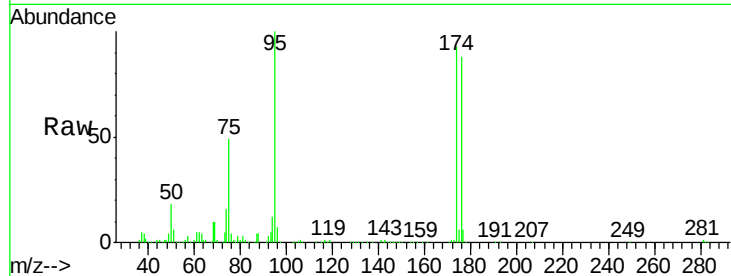
Tot Ion: 75 Resp: 185308

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

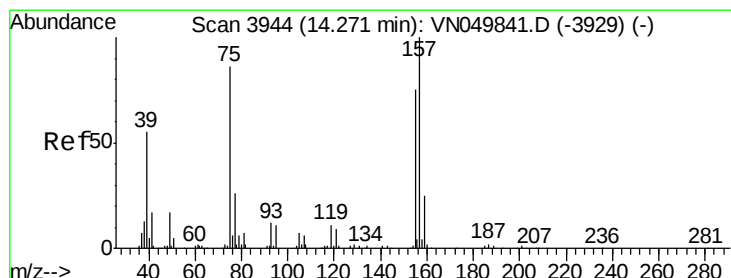
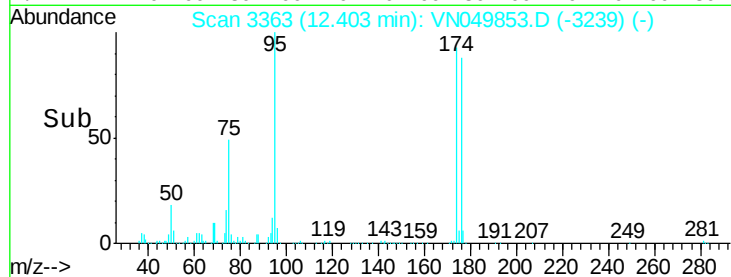
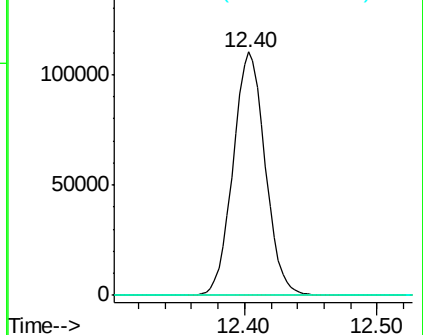
89 0.0 35.9 53.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VN049853.D

Acq: 17 Jul 2018 18:18

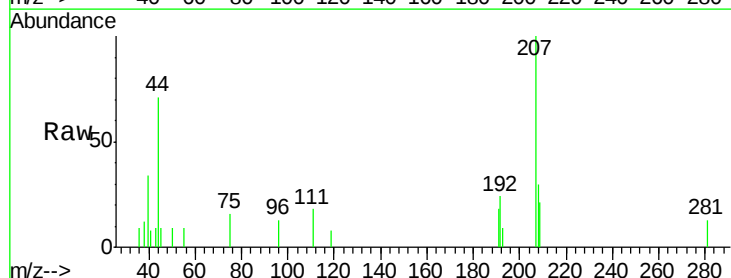
Tgt Ion: 75 Resp: 366

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

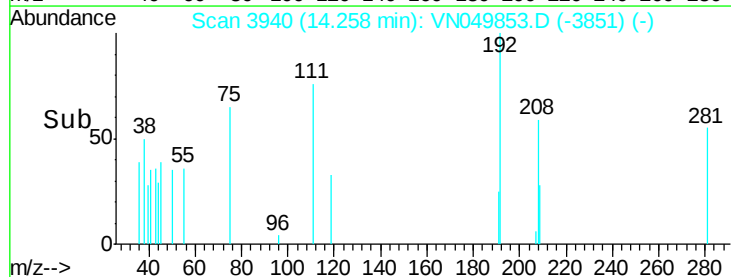
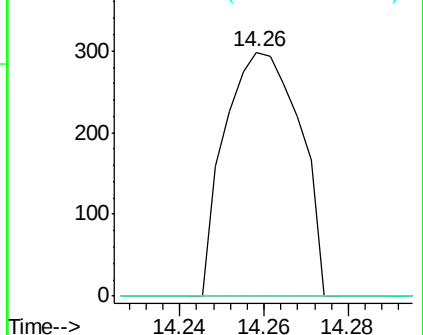
157 0.0 56.9 170.7#

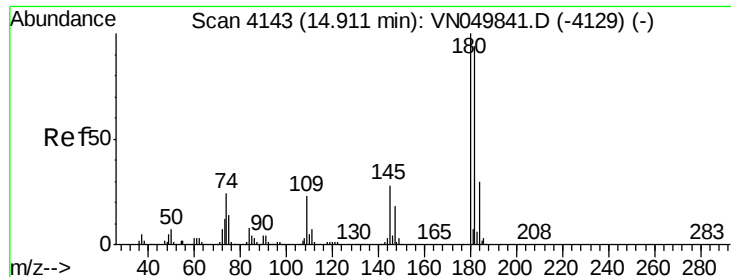


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

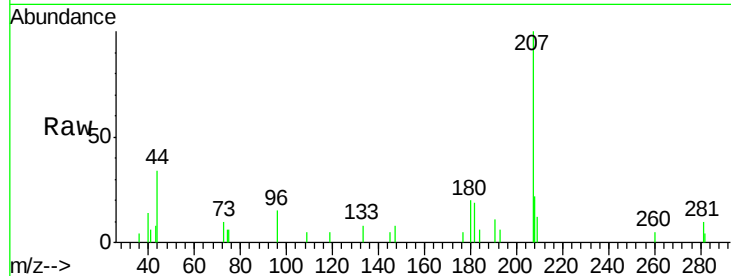




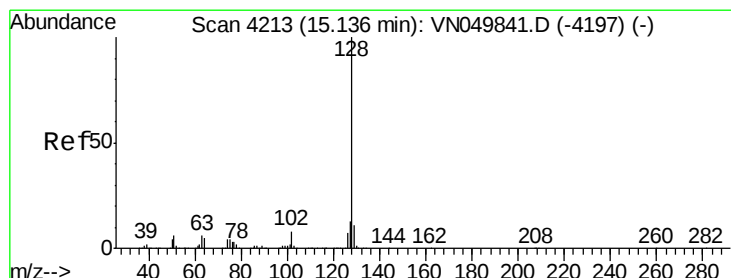
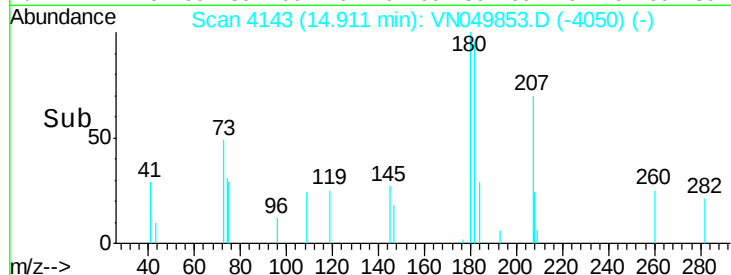
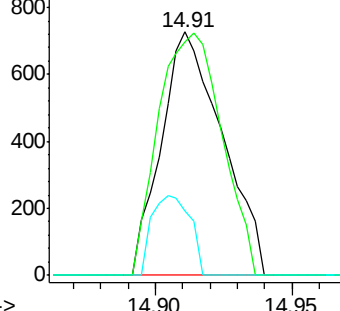
#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049853.D
 Acq: 17 Jul 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#01

Tot Ion:180 Resp: 1134
 Ion Ratio Lower Upper
 180 100
 182 103.4 47.3 141.9
 145 20.6 14.4 43.0

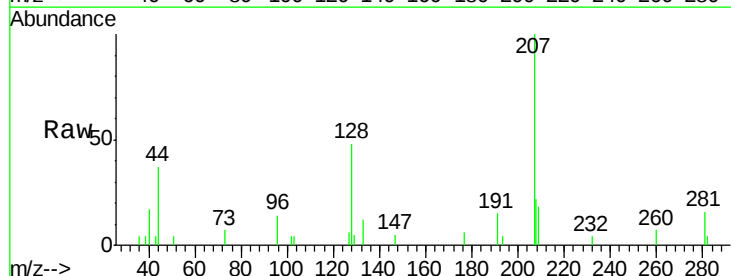


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

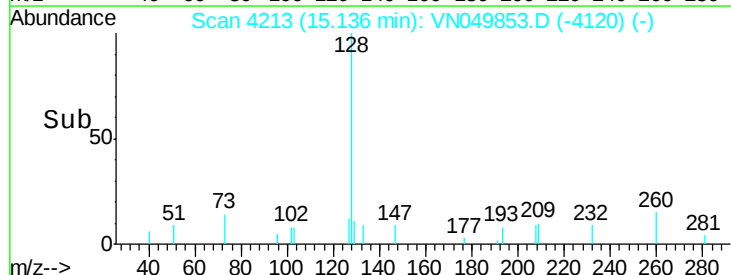
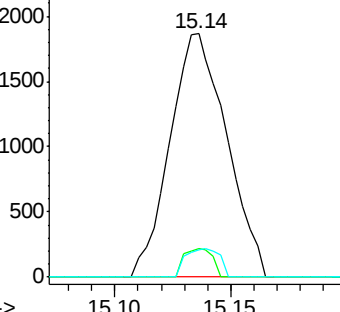


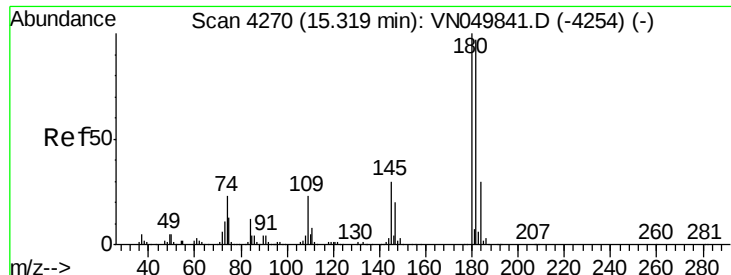
#95
 Naphthalene
 Concen: 3.04 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049853.D
 Acq: 17 Jul 2018 18:18

Tgt Ion:128 Resp: 3169
 Ion Ratio Lower Upper
 128 100
 127 5.9 10.4 15.6#
 129 7.0 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: 0.23 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN049853.D
 Acq: 17 Jul 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	29.7	15.2	45.6

