

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049854.D
 Acq On : 17 Jul 2018 18:44
 Operator : MD\SY
 Sample : PB111173ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#02

Quant Time: Jul 18 03:36:42 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	623201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	984045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	429014	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.59	113	378864	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.09	98	1340606	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.40	95	378668	39.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.92%	

Target Compounds

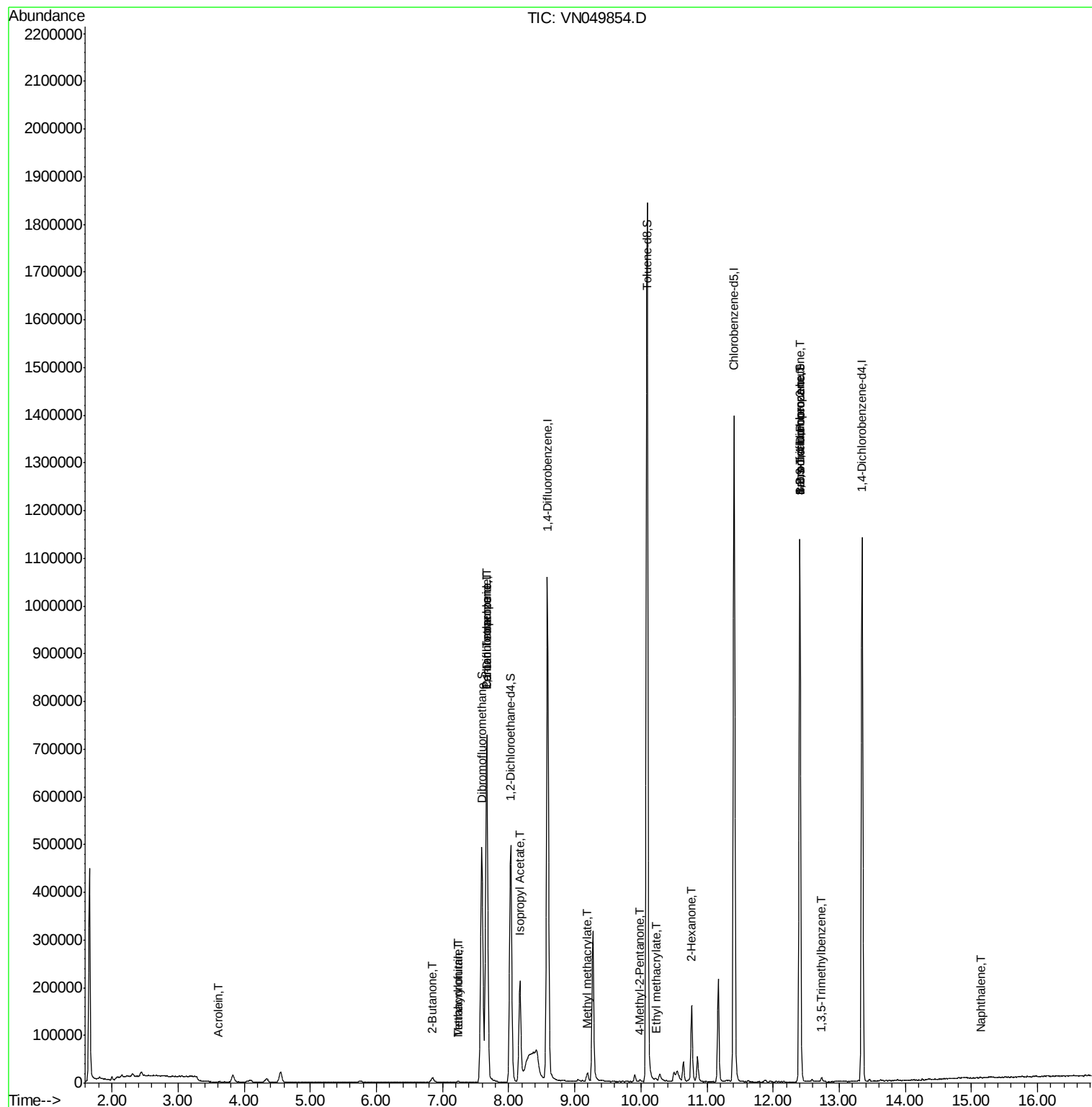
						Qvalue
2) Dichlorodifluoromethane	1.86	85	218	Below Cal	#	44
3) Chloromethane	2.06	50	1105	Below Cal	#	74
5) Bromomethane	2.57	94	1491	Below Cal		91
6) Chloroethane	2.65	64	105	Below Cal	#	43
7) Trichlorofluoromethane	3.00	101	170	Below Cal	#	17
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32	Below Cal	#	1
13) Acrolein	3.60	56	67	15.85	ug/l #	15
16) Acetone	3.83	43	23711	Below Cal		100
17) Carbon Disulfide	4.05	76	3808	Below Cal		97
18) Methyl Acetate	4.34	43	13206	Below Cal		98
20) Methylene Chloride	4.55	84	16419	Below Cal		92
25) 2-Butanone	6.86	43	5568	1.62	ug/l #	79
29) Tetrahydrofuran	7.22	42	2116	0.97	ug/l #	42
31) Cyclohexane	7.66	56	11628	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	44902	4.31	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56422	5.14	ug/l #	16
41) Methacrylonitrile	7.23	41	1377	0.35	ug/l #	40
43) Isopropyl Acetate	8.17	43	252537	19.11	ug/l	98
48) Methyl methacrylate	9.19	41	9568	1.46	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	3465	0.45	ug/l #	83
56) Ethyl methacrylate	10.23	69	3423	0.36	ug/l #	72
59) 2-Hexanone	10.77	43	23996	4.50	ug/l #	56
71) Bromoform	12.41	173	3448	0.58	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	185568	29.16	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4210	0.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	185568	95.43	ug/l #	13
90) Hexachloroethane	13.88	117	29	Below Cal	#	4
92) 1,2-Dibromo-3-Chloropropan	14.26	75	106	Below Cal	#	1
95) Naphthalene	15.15	128	2107	2.97	ug/l #	73

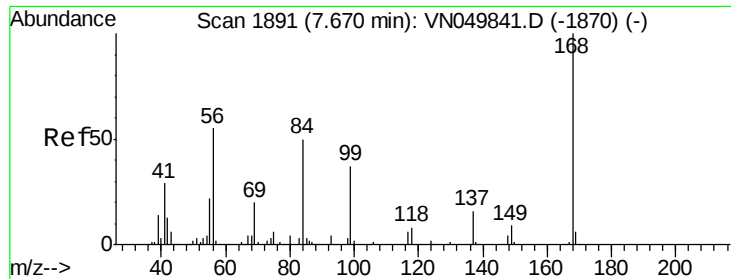
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

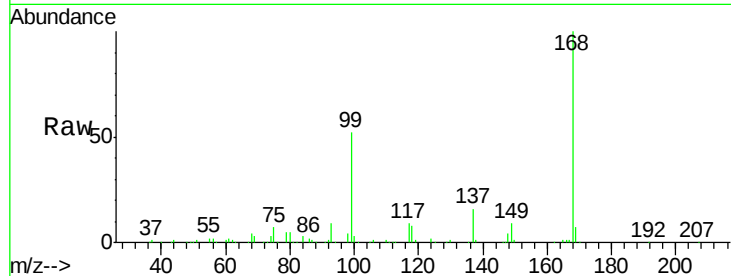
PB111173ZHE#02

Tot Ion:168 Resp: 623201

Ion Ratio Lower Upper

168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

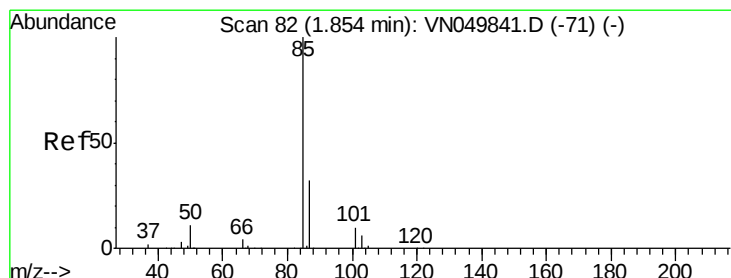
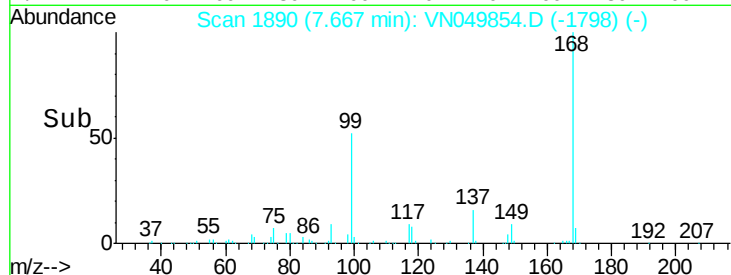
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN049854.D

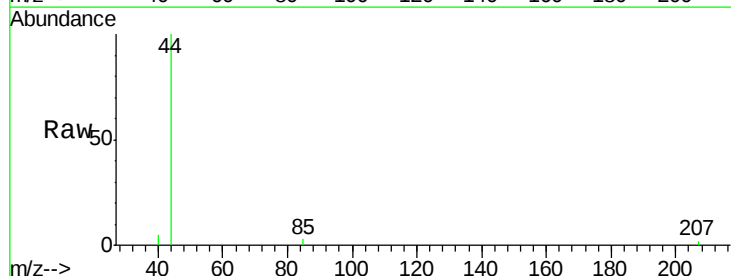
Acq: 17 Jul 2018 18:44

Tgt Ion: 85 Resp: 218

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

1.86

250

200

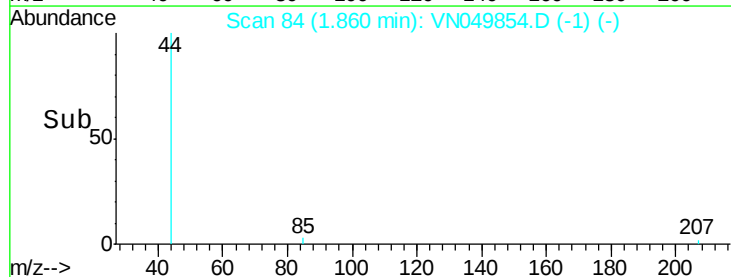
150

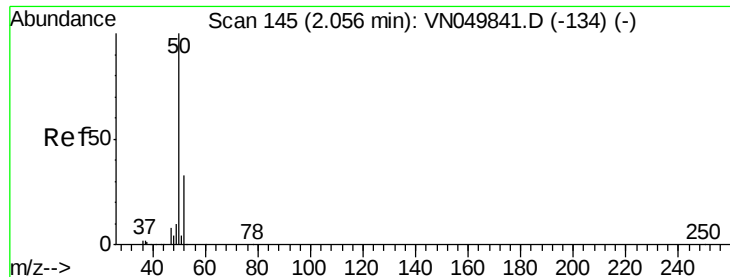
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

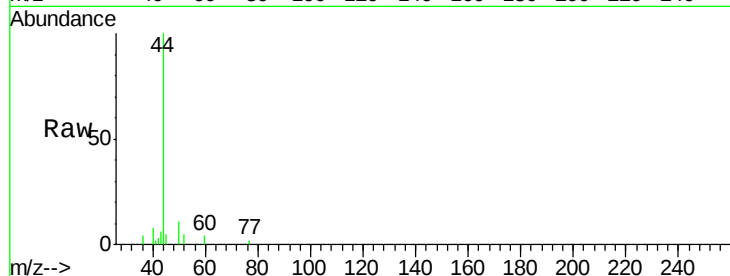
PB111173ZHE#02

Tot Ion: 50 Resp: 1105

Ion Ratio Lower Upper

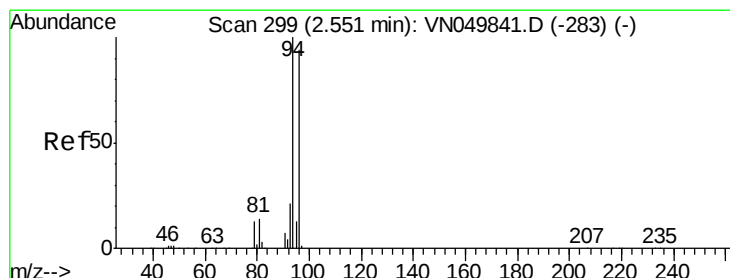
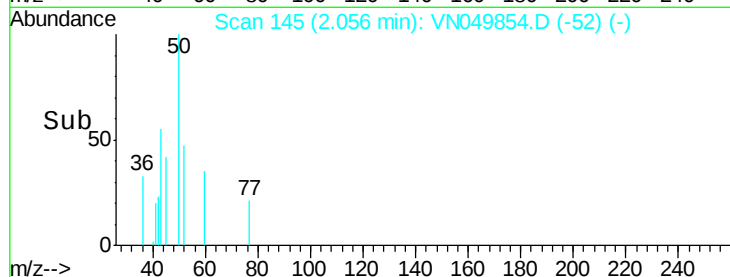
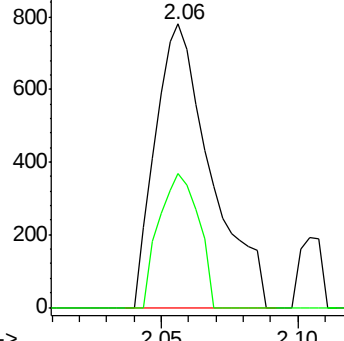
50 100

52 47.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN049854.D

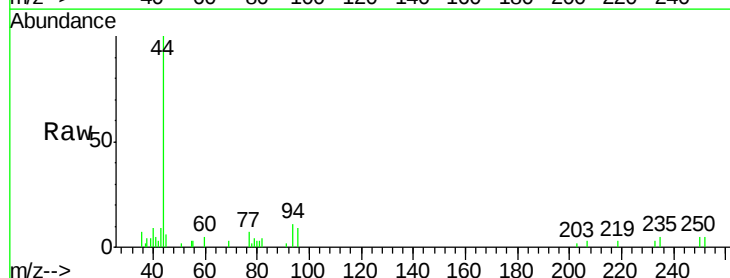
Acq: 17 Jul 2018 18:44

Tgt Ion: 94 Resp: 1491

Ion Ratio Lower Upper

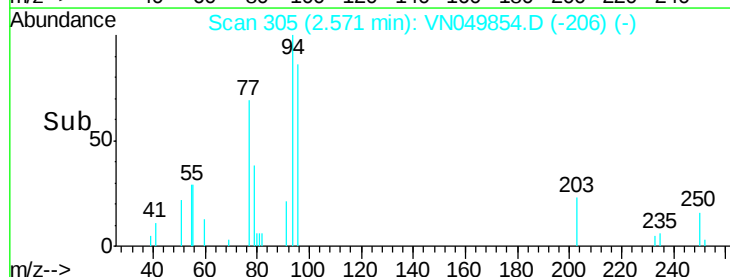
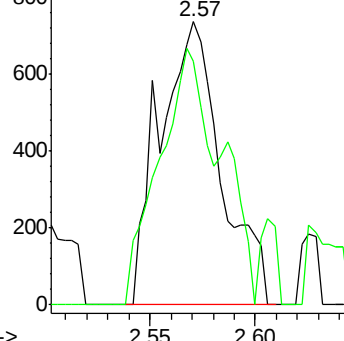
94 100

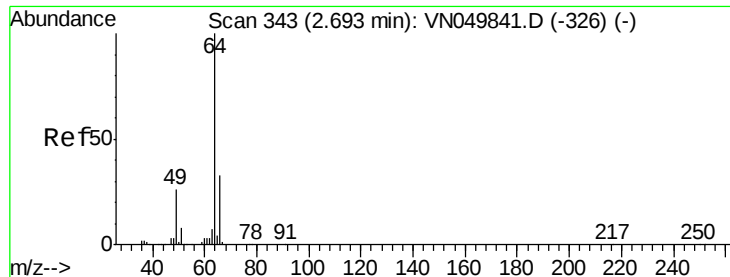
96 86.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#6

Chloroethane

Concen: Below Cal

RT: 2.65 min Scan# 331

Delta R.T. -0.04 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

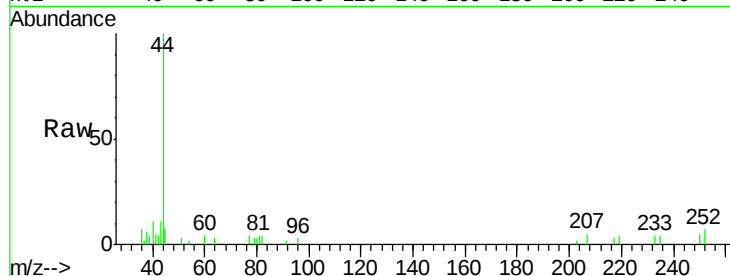
PB111173ZHE#02

Tot Ion: 64 Resp: 105

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



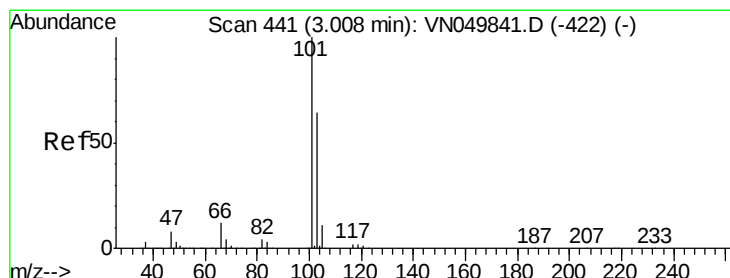
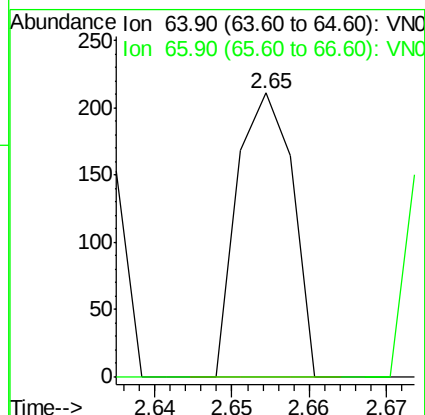
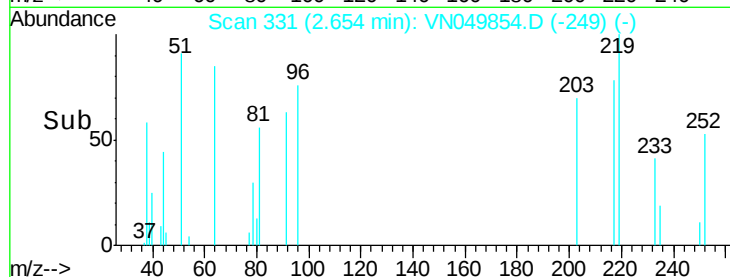
Abundance Ion 63.90 (63.60 to 64.60): VN049854.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN049854.D (-326) (-)

2.65

2.66

2.67



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN049854.D

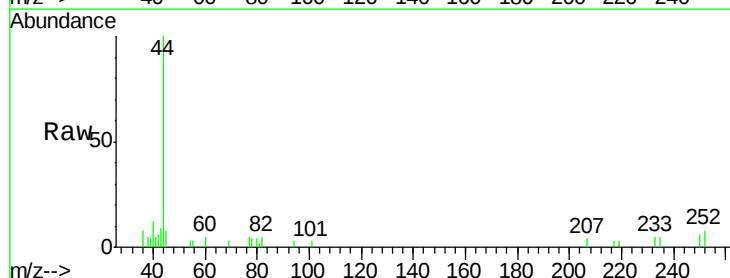
Acq: 17 Jul 2018 18:44

Tgt Ion: 101 Resp: 170

Ion Ratio Lower Upper

101 100

103 0.0 52.8 79.2#



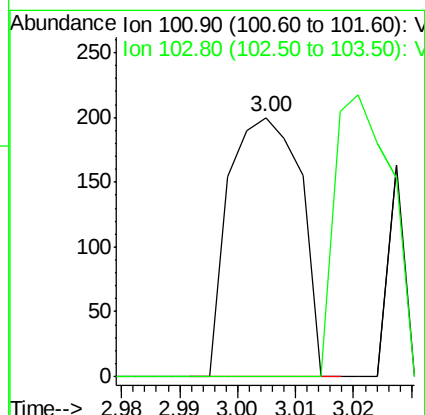
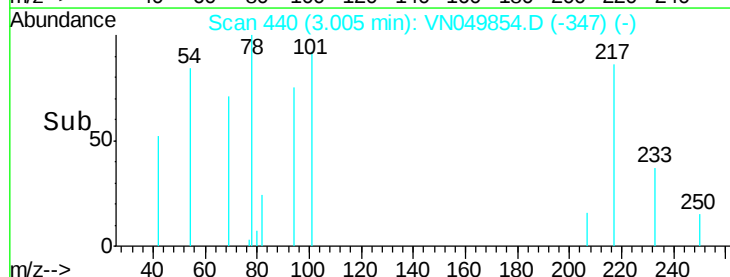
Abundance Ion 100.90 (100.60 to 101.60): VN049854.D (-347) (-)

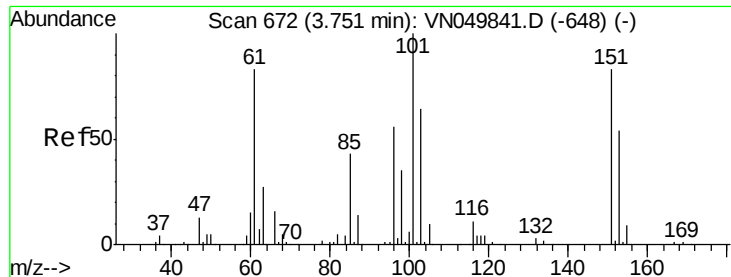
Ion 102.80 (102.50 to 103.50): VN049854.D (-347) (-)

3.00

3.01

3.02





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.74 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#02

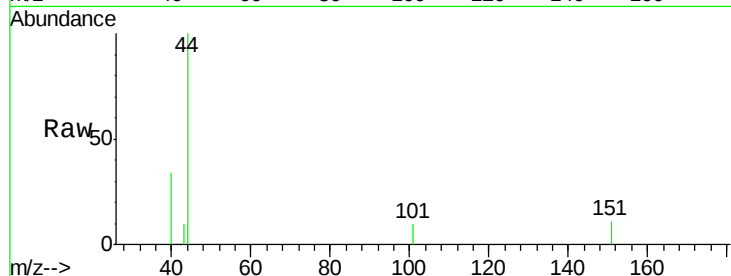
Tot Ion:101 Resp: 32

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

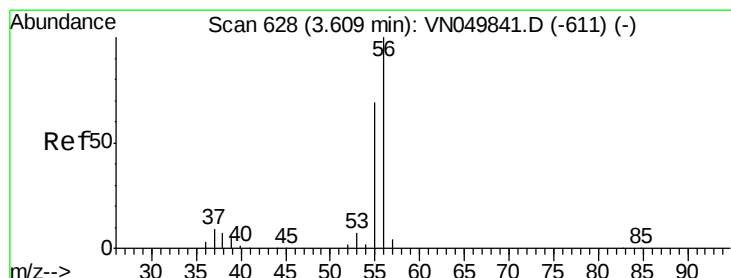
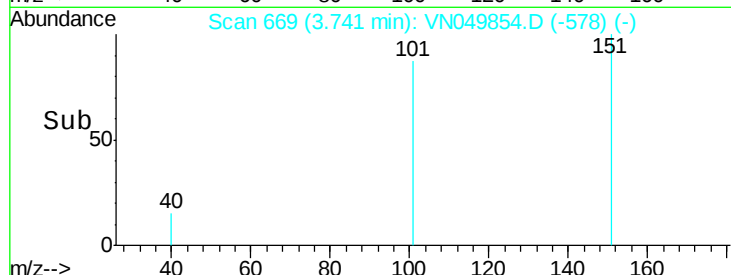
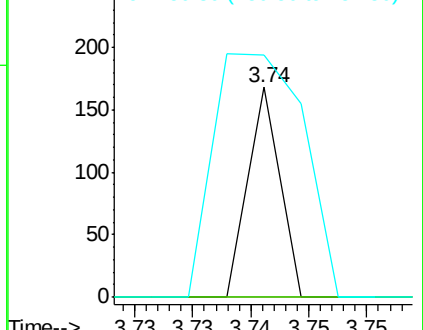
151 328.1 66.2 99.4#



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: 15.85 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN049854.D

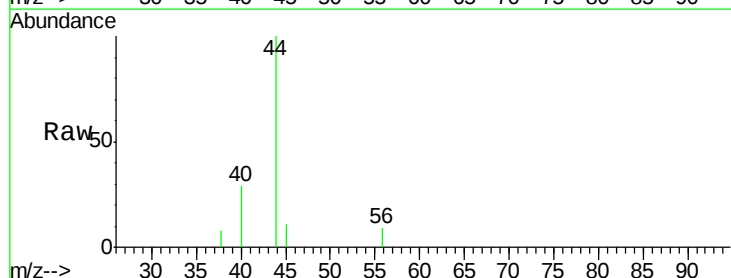
Acq: 17 Jul 2018 18:44

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

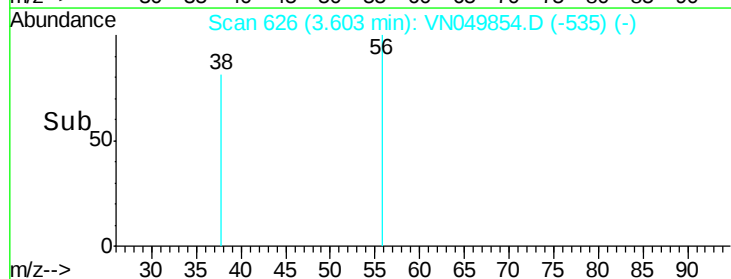
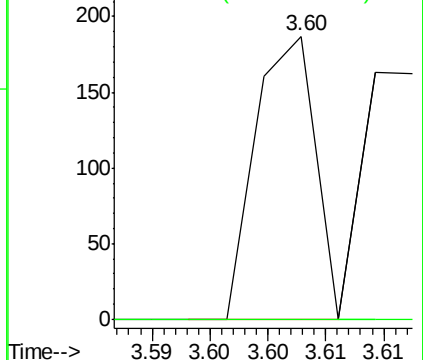
56 100

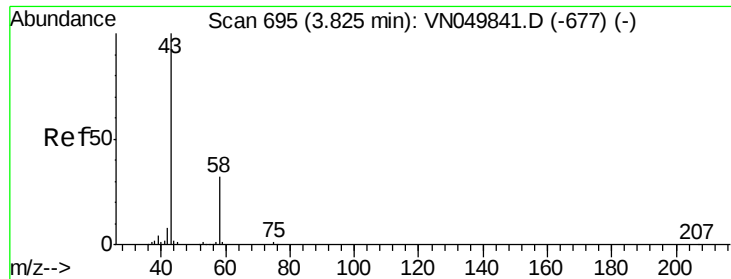
55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

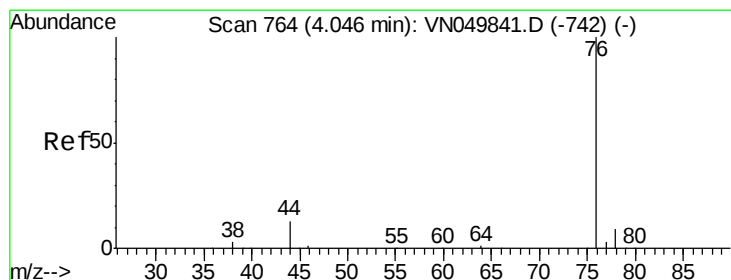
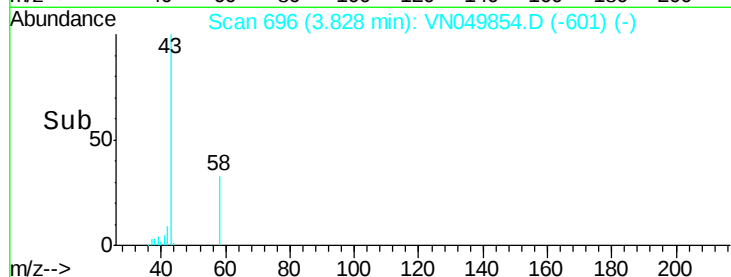
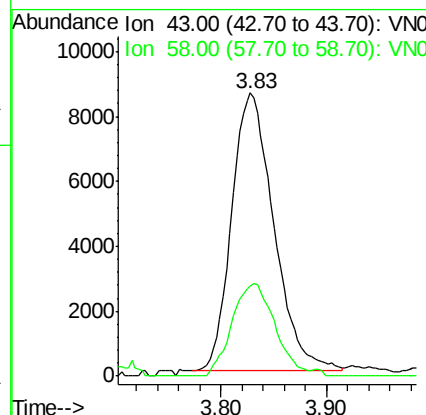
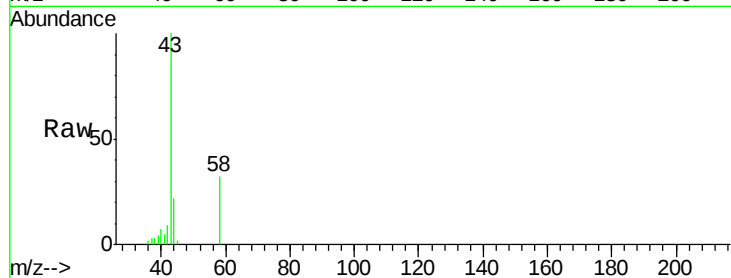




#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

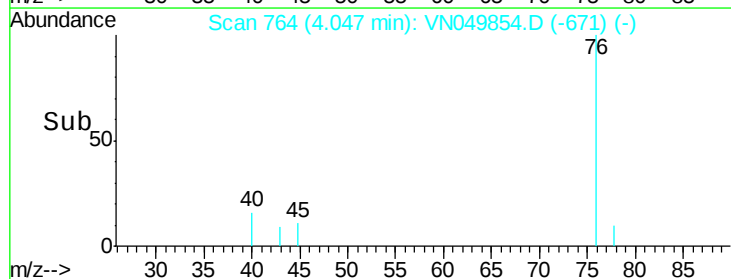
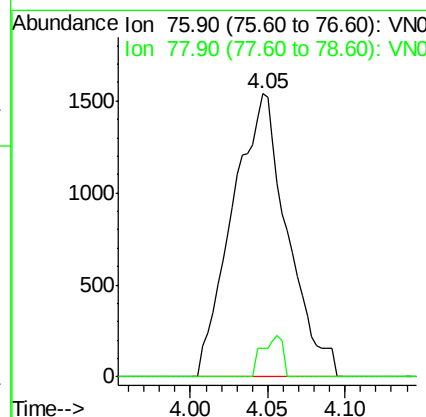
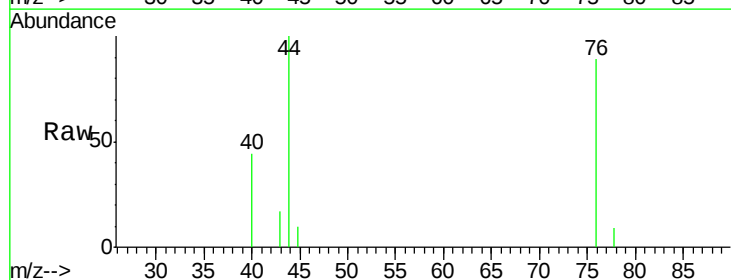
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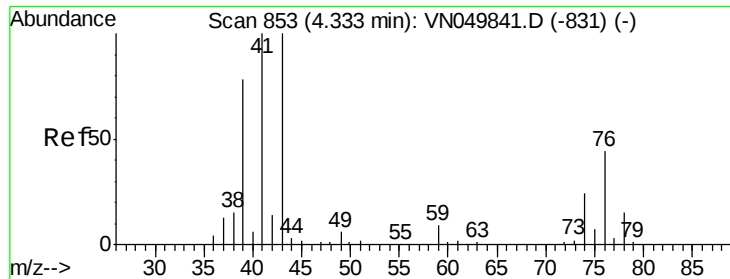
Tot Ion: 43 Resp: 23711
Ion Ratio Lower Upper
43 100
58 32.6 25.9 38.9



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

Tgt Ion: 76 Resp: 3808
Ion Ratio Lower Upper
76 100
78 10.1 7.1 10.7

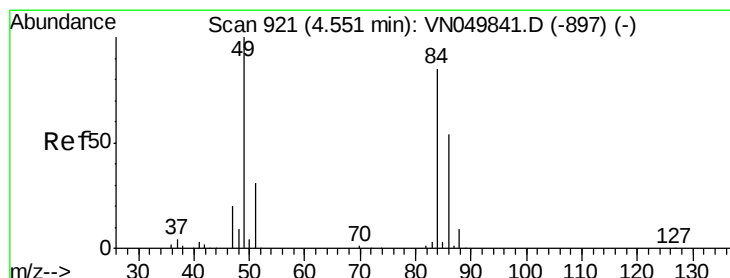
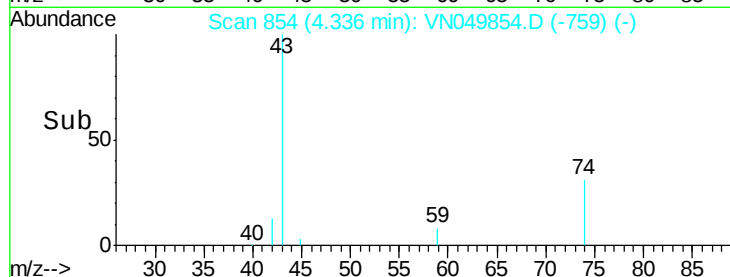
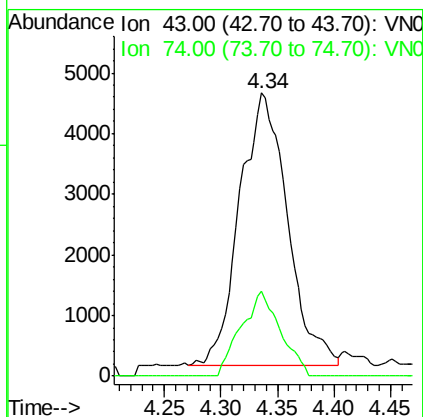
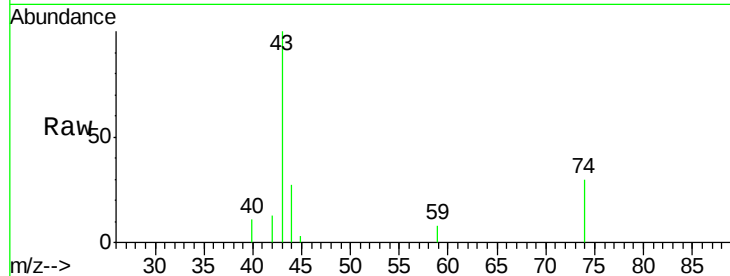




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

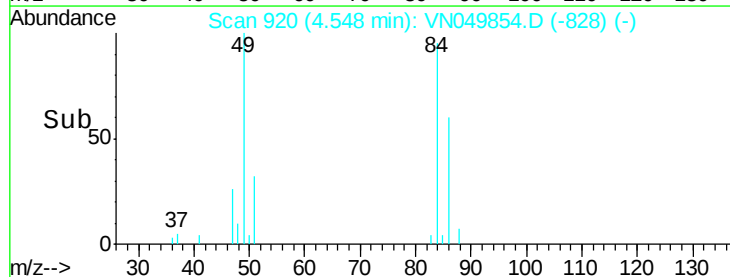
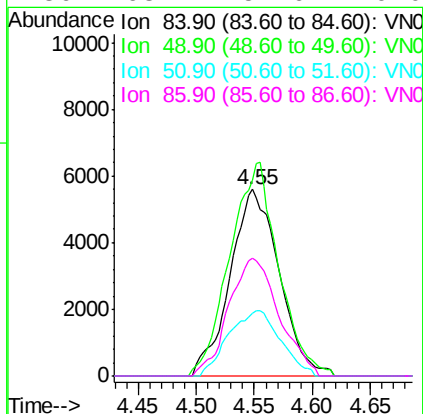
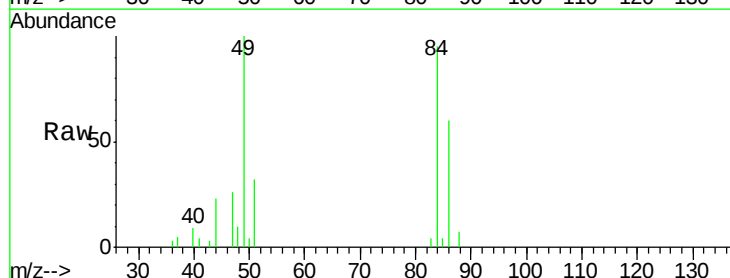
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#02

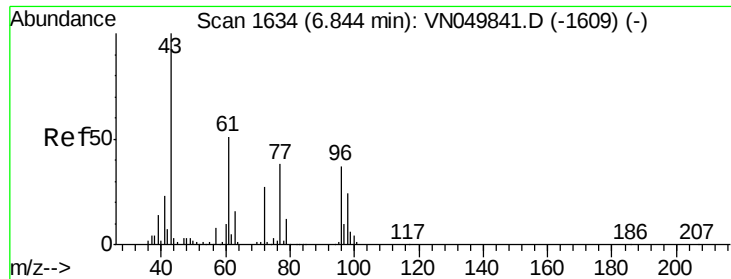
Tot Ion: 43 Resp: 13206
Ion Ratio Lower Upper
43 100
74 25.6 19.8 29.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

Tgt Ion: 84 Resp: 16419
Ion Ratio Lower Upper
84 100
49 104.8 95.4 143.2
51 34.0 28.4 42.6
86 63.2 52.6 79.0





#25

2-Butanone

Concen: 1.62 ug/l

RT: 6.86 min Scan# 1639

Delta R.T. 0.02 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

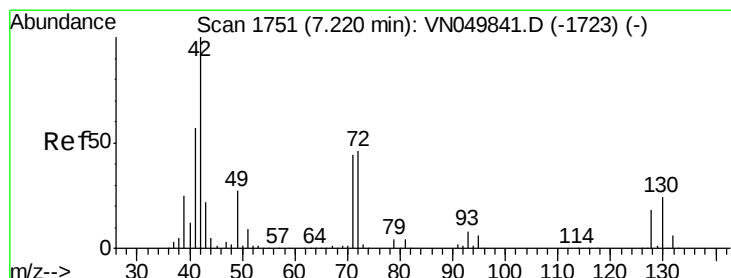
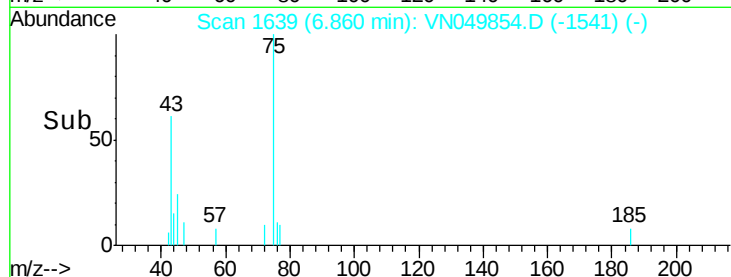
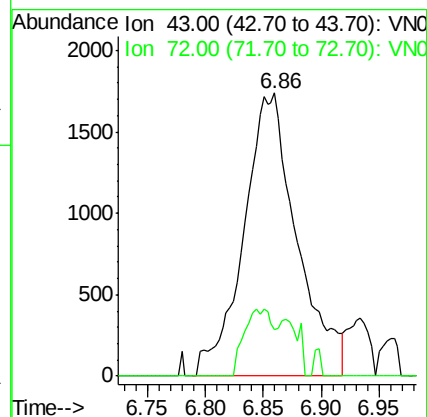
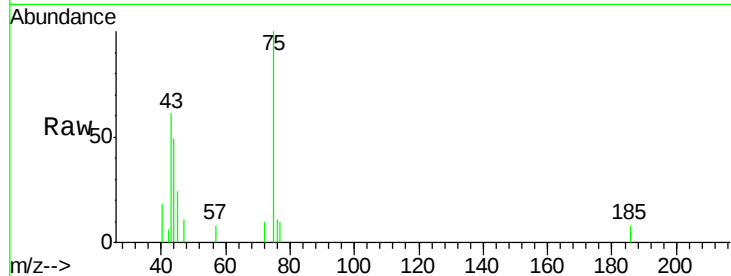
PB111173ZHE#02

Tot Ion: 43 Resp: 5568

Ion Ratio Lower Upper

43 100

72 16.5 22.1 33.1#



#29

Tetrahydrofuran

Concen: 0.97 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

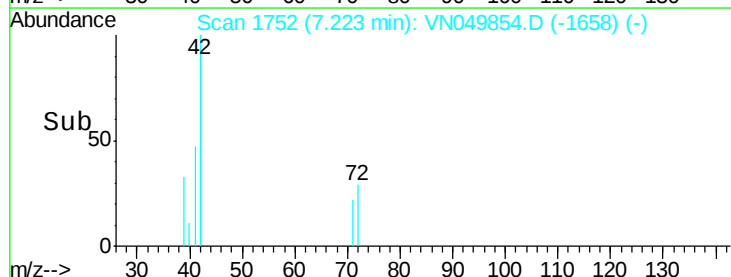
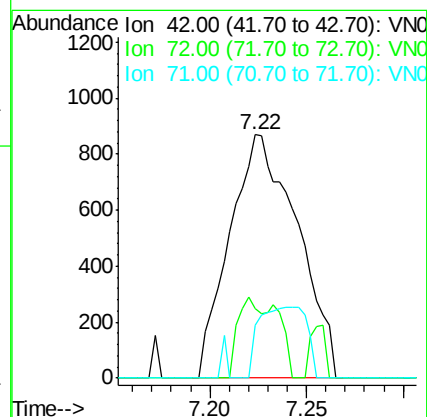
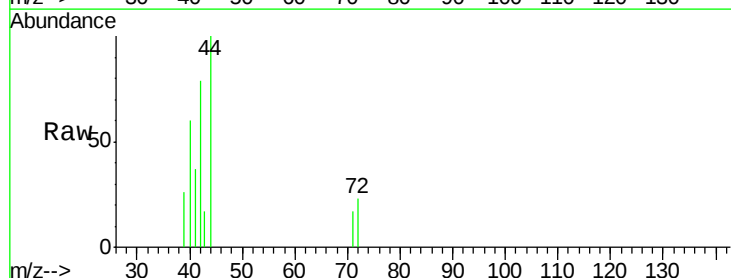
Tgt Ion: 42 Resp: 2116

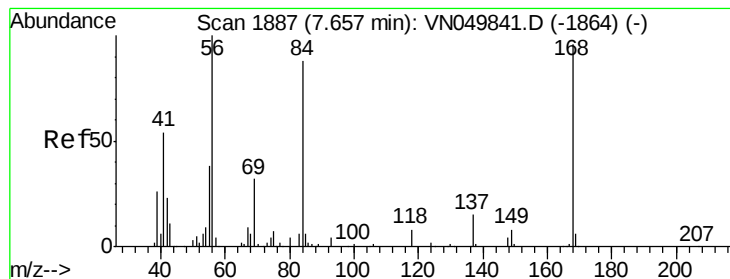
Ion Ratio Lower Upper

42 100

72 11.0 35.6 53.4#

71 1.4 34.0 51.0#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#02

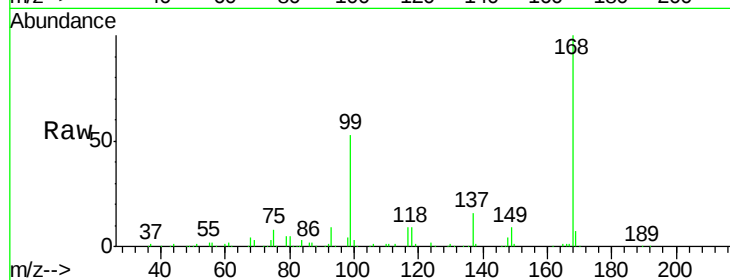
Tot Ion: 56 Resp: 11628

Ion Ratio Lower Upper

56 100

69 172.6 26.6 40.0#

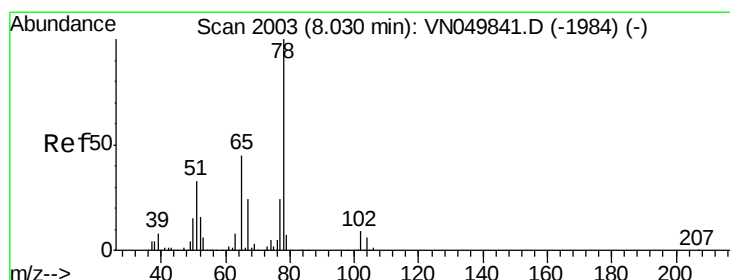
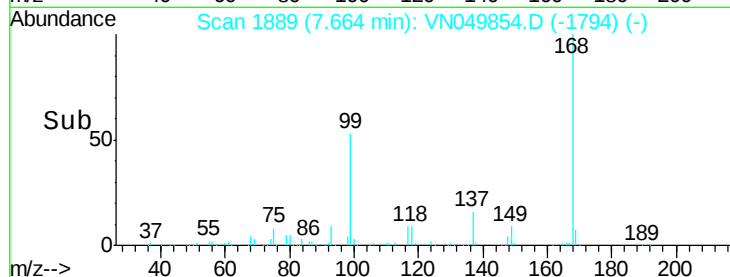
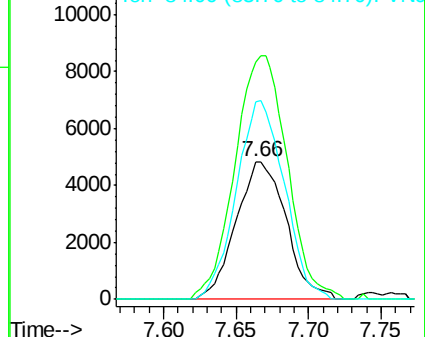
84 143.7 69.0 103.6#



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



#33

1,2-Dichloroethane-d4

Concen: 51.39 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049854.D

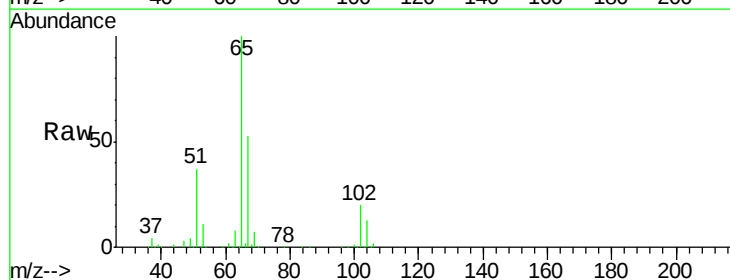
Acq: 17 Jul 2018 18:44

Tgt Ion: 65 Resp: 429014

Ion Ratio Lower Upper

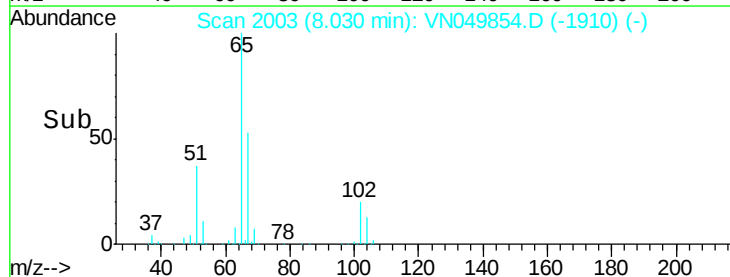
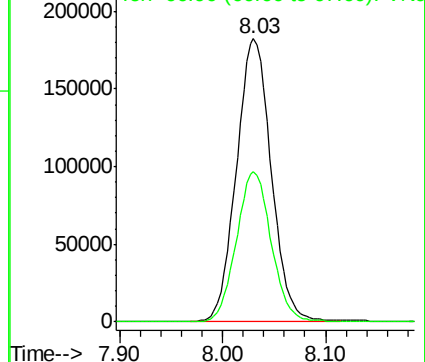
65 100

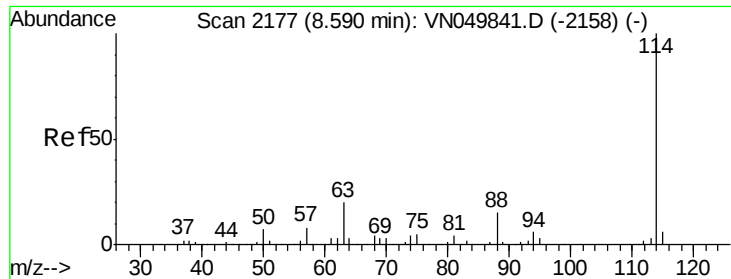
67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

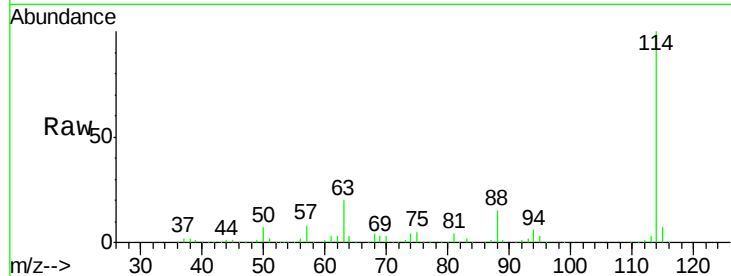




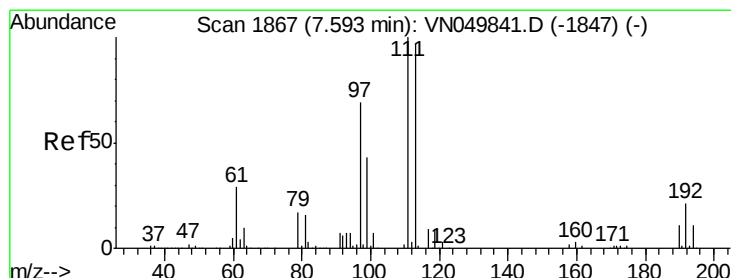
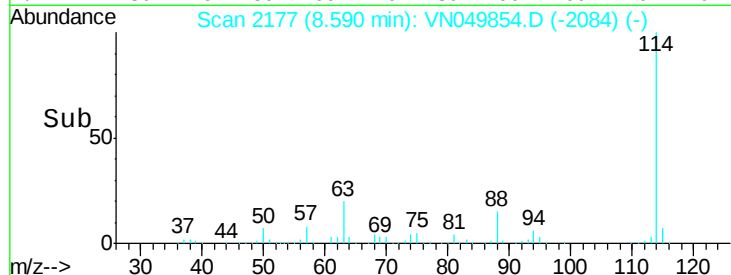
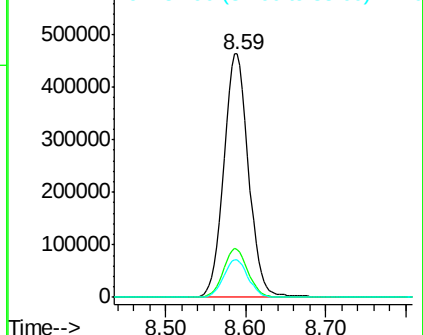
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049854.D
 Acq: 17 Jul 2018 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#02

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.4	0.0	30.6

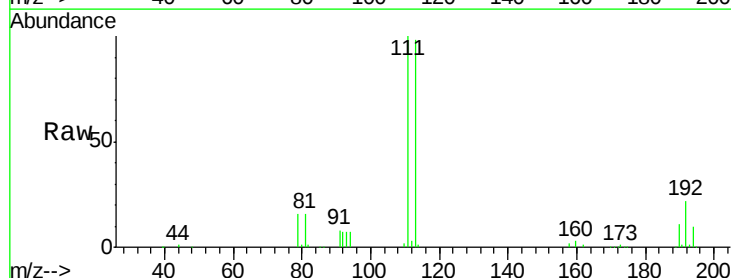


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

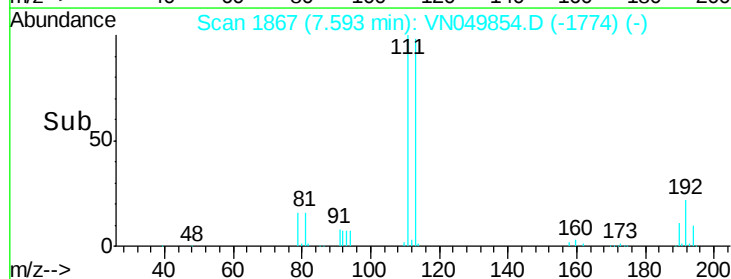
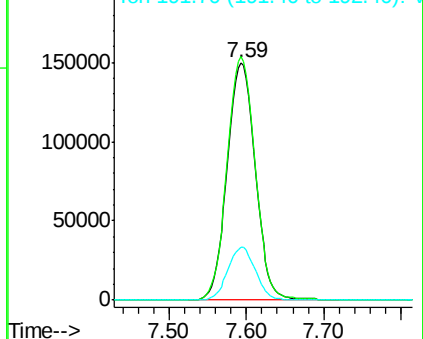


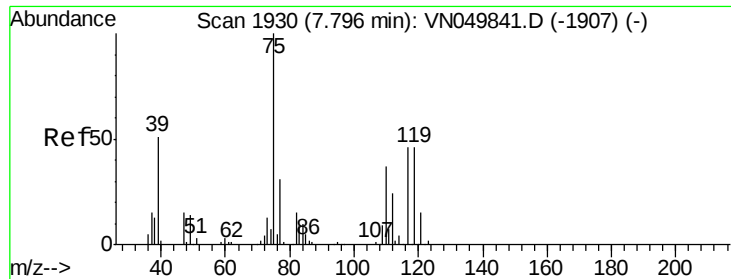
#35
 Dibromofluoromethane
 Concen: 48.54 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049854.D
 Acq: 17 Jul 2018 18:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	21.8	17.8	26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

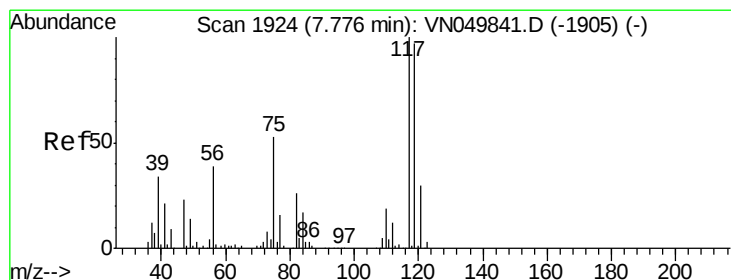
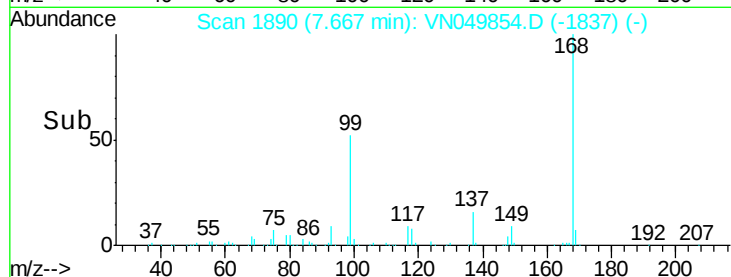
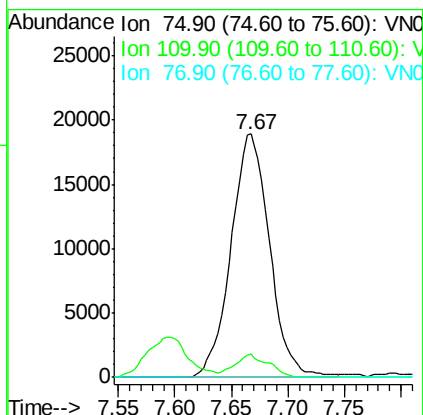
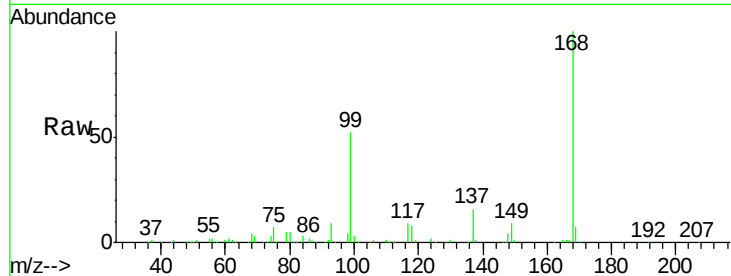




#36
 1,1-Dichloropropene
 Concen: 4.31 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049854.D
 Acq: 17 Jul 2018 18:44

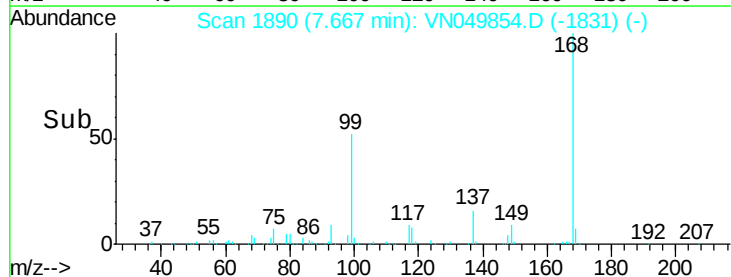
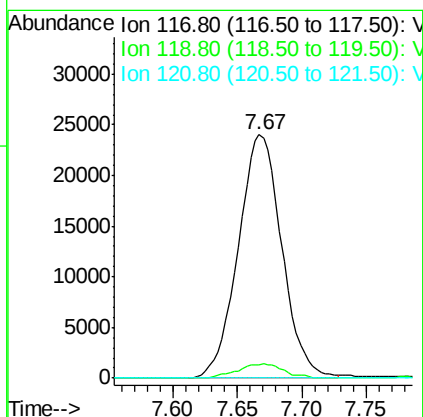
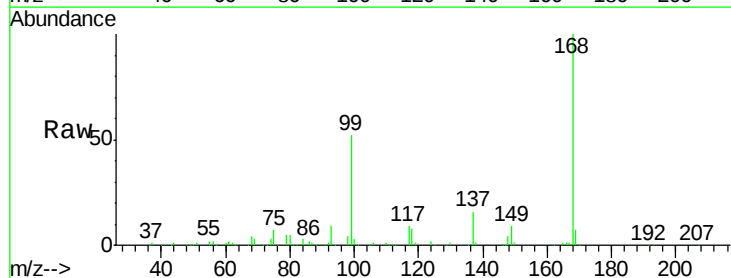
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#02

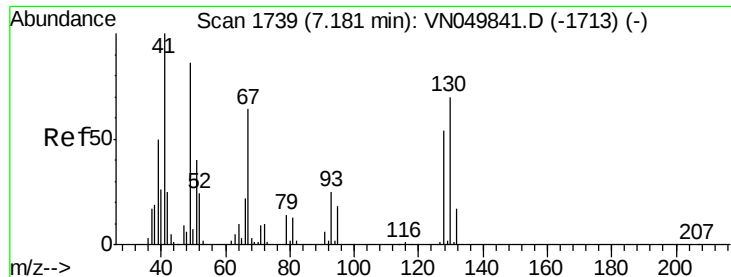
Tot Ion: 75 Resp: 44902
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.14 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049854.D
 Acq: 17 Jul 2018 18:44

Tgt Ion: 117 Resp: 56422
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.2 115.8#
 121 0.0 25.0 37.6#

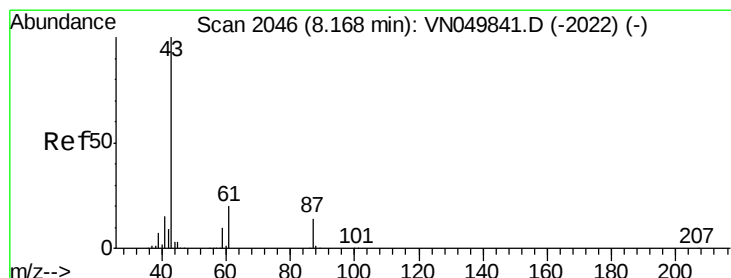
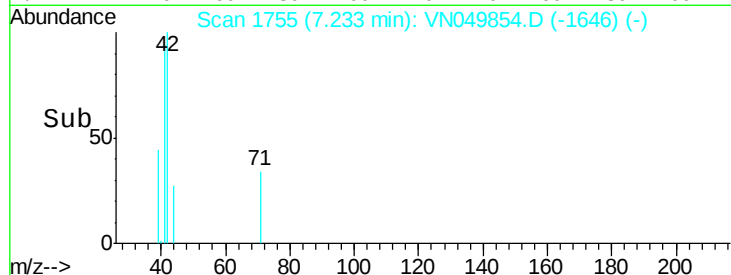
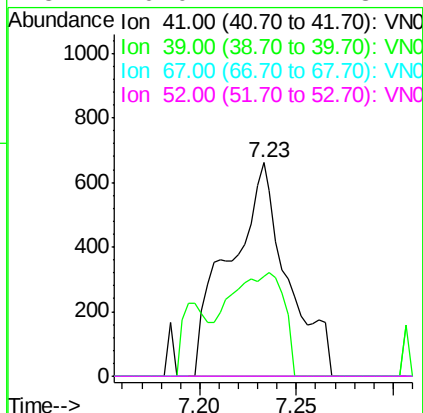
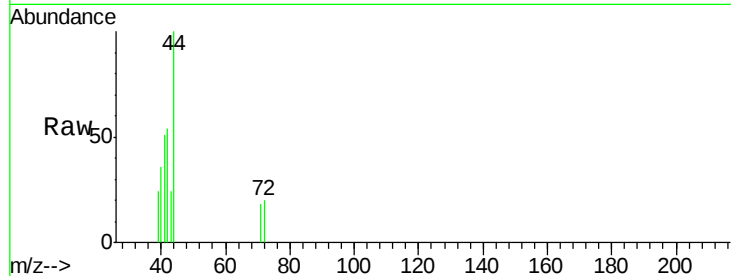




#41
Methacrylonitrile
Concen: 0.35 ug/l
RT: 7.23 min Scan# 1755
Delta R.T. 0.05 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

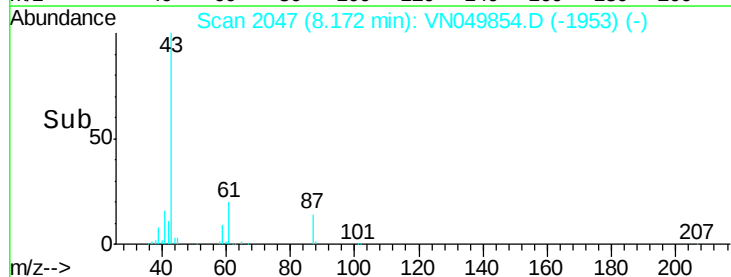
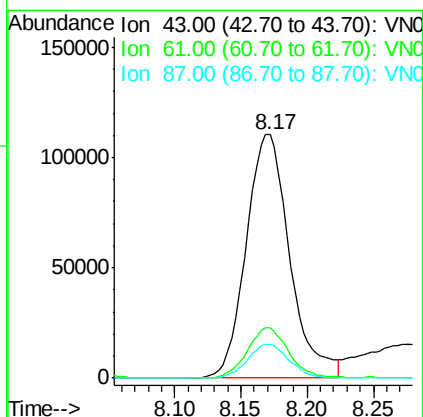
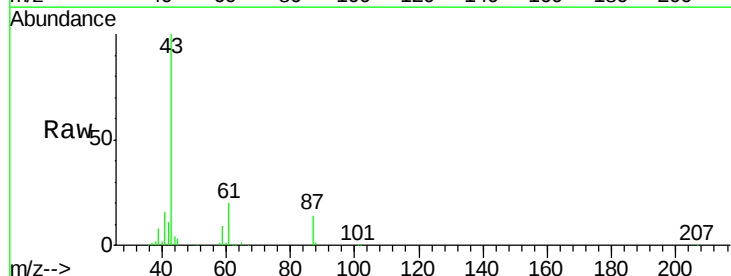
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#02

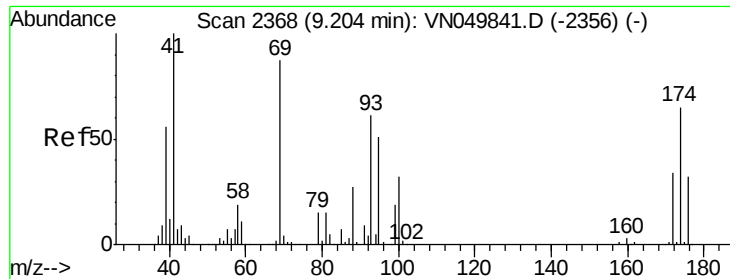
Tot Ion:	41	Resp:	1377
Ion	Ratio	Lower	Upper
41	100		
39	45.0	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#



#43
Isopropyl Acetate
Concen: 19.11 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

Tgt Ion:	43	Resp:	252537
Ion	Ratio	Lower	Upper
43	100		
61	19.6	14.9	22.3
87	13.4	10.0	15.0

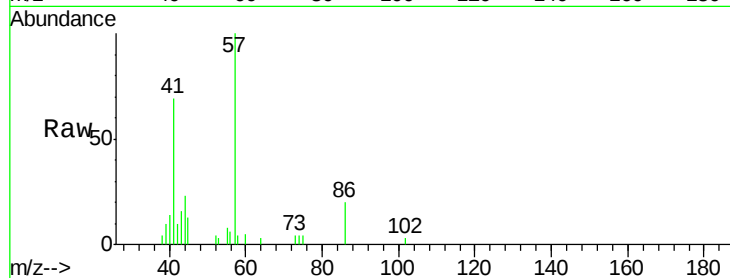




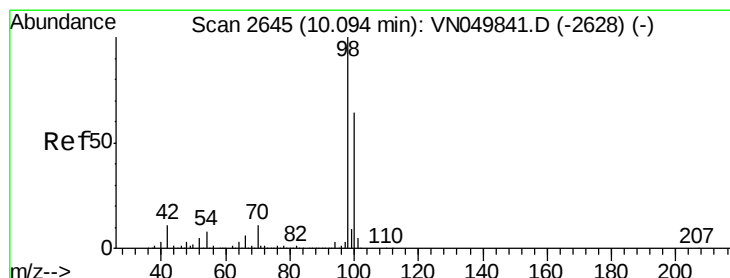
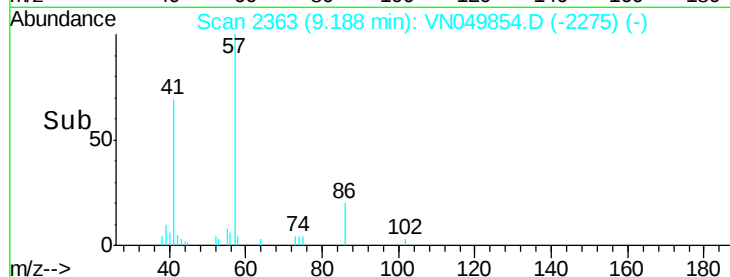
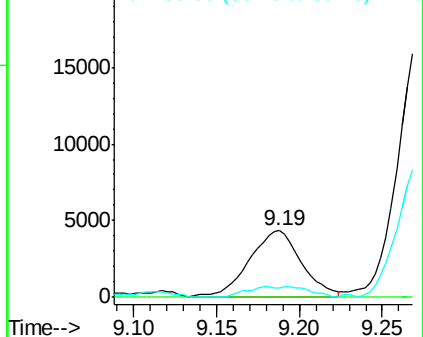
#48
Methvl methacrylate
Concen: 1.46 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.02 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#02

Tot Ion: 41 Resp: 9568
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 8.9 44.7 67.1#

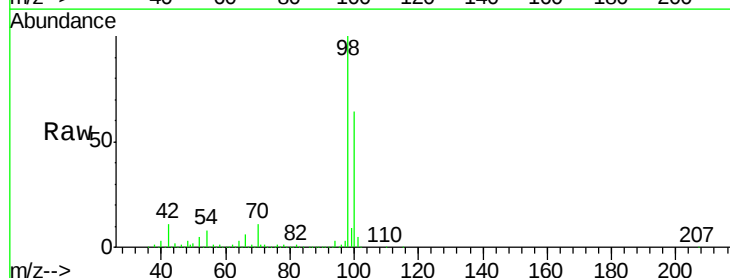


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

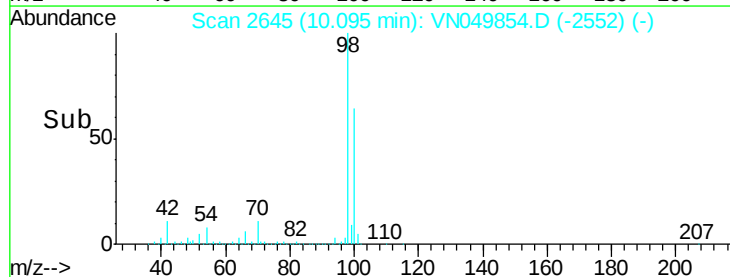
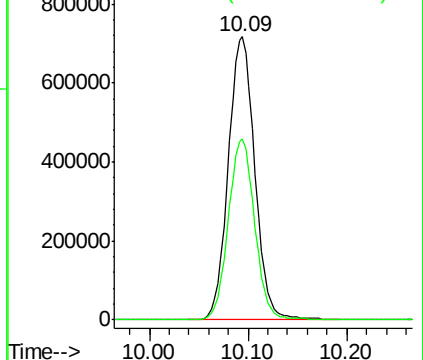


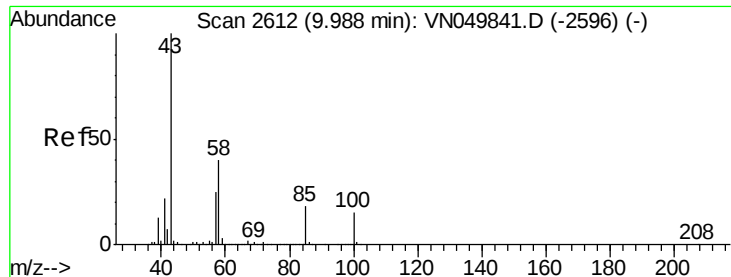
#50
Toluene-d8
Concen: 46.78 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

Tgt Ion: 98 Resp: 1340606
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

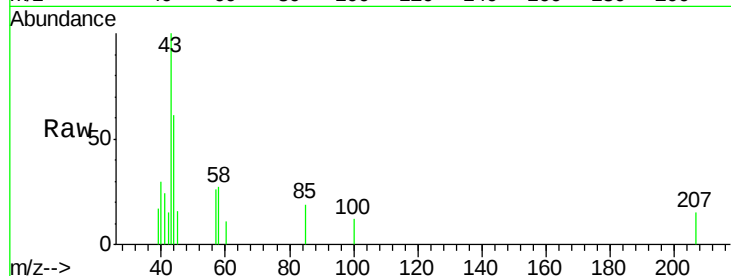
PB111173ZHE#02

Tot Ion: 43 Resp: 3465

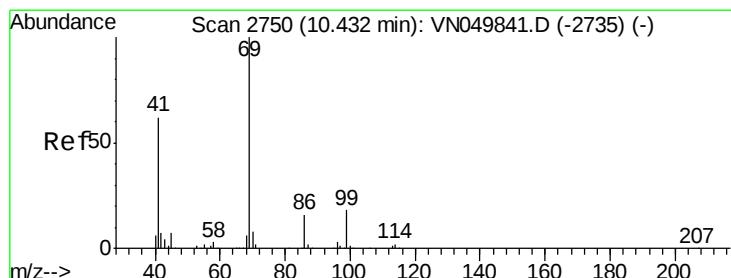
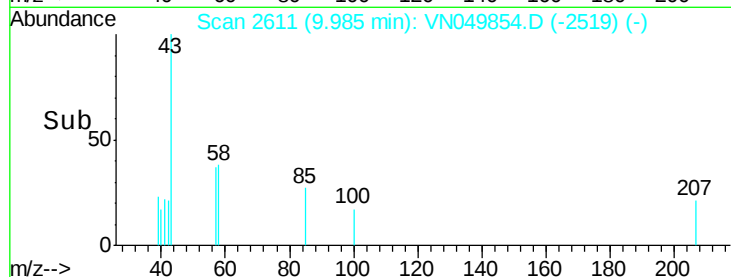
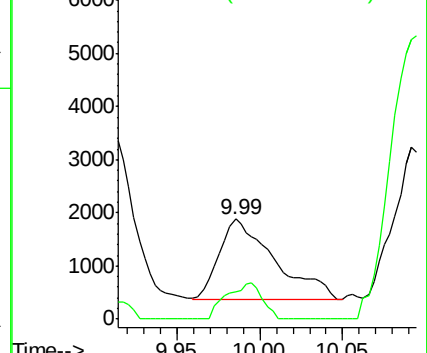
Ion Ratio Lower Upper

43 100

58 29.4 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049841.D (-2596) (-)



#56

Ethyl methacrylate

Concen: 0.36 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.21 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

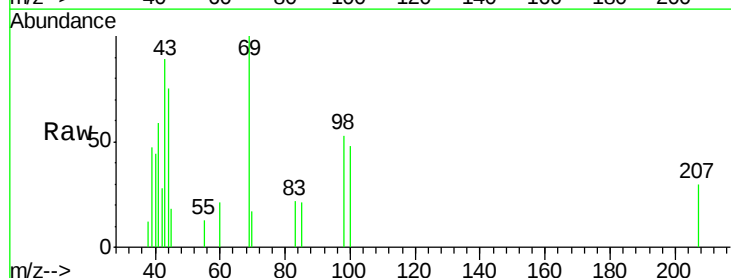
Tgt Ion: 69 Resp: 3423

Ion Ratio Lower Upper

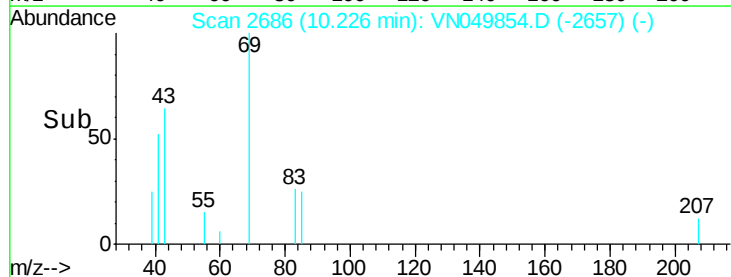
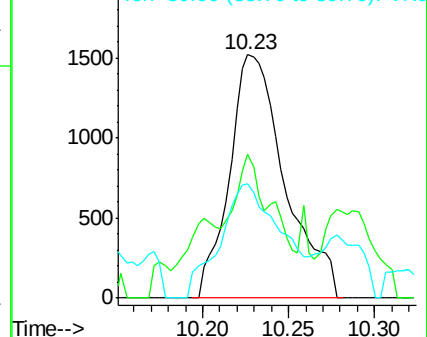
69 100

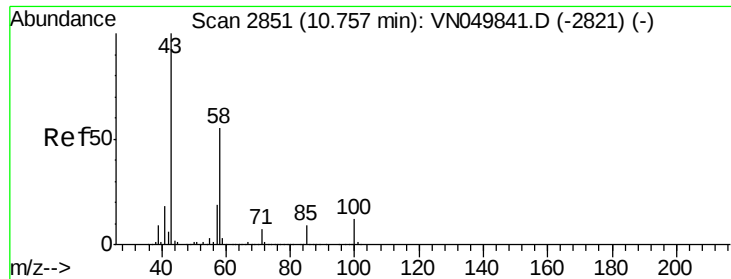
41 45.2 51.6 77.4#

39 52.2 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN049841.D (-2735) (-)





#59

2-Hexanone

Concen: 4.50 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

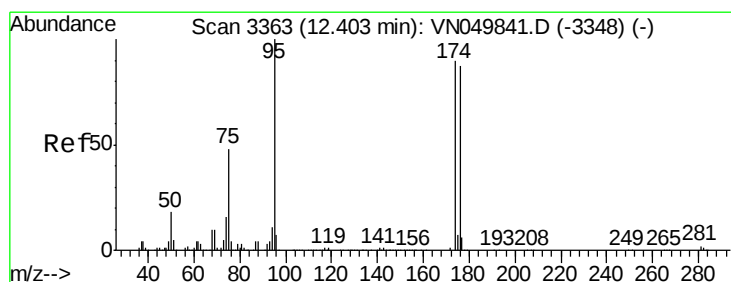
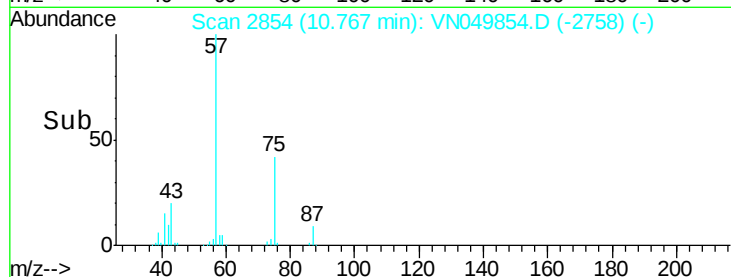
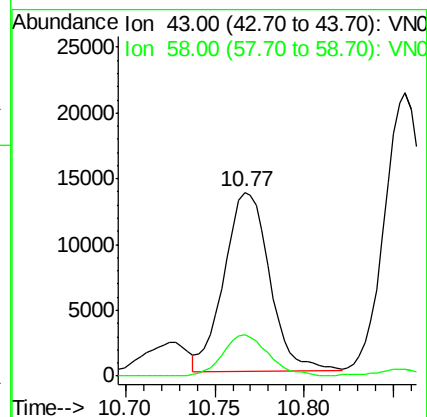
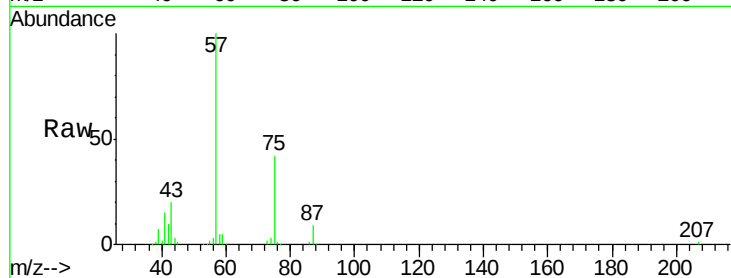
PB111173ZHE#02

Tot Ion: 43 Resp: 23996

Ion Ratio Lower Upper

43 100

58 23.5 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 39.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

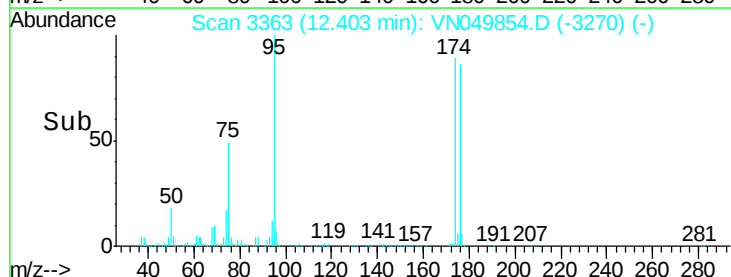
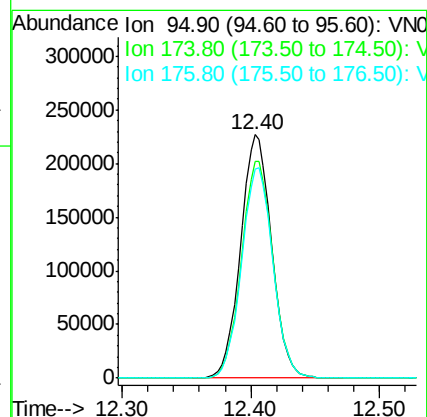
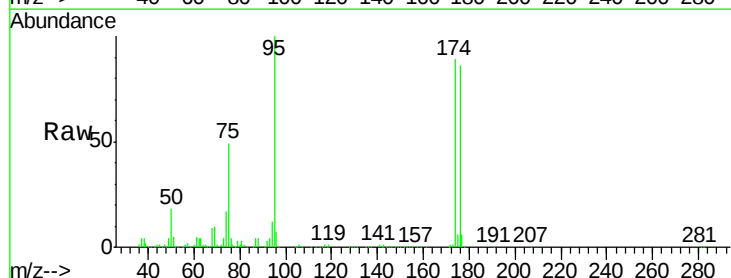
Tgt Ion: 95 Resp: 378668

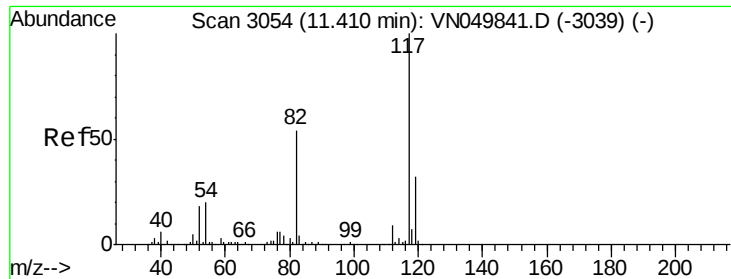
Ion Ratio Lower Upper

95 100

174 90.4 0.0 179.6

176 87.6 0.0 174.0

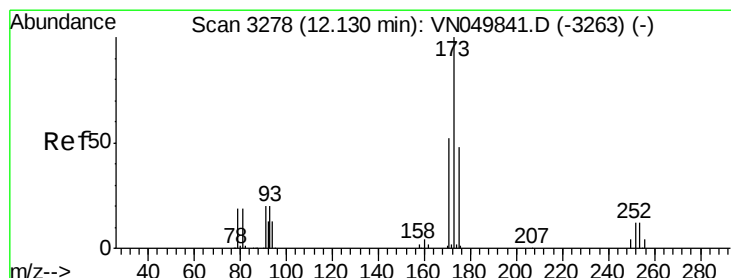
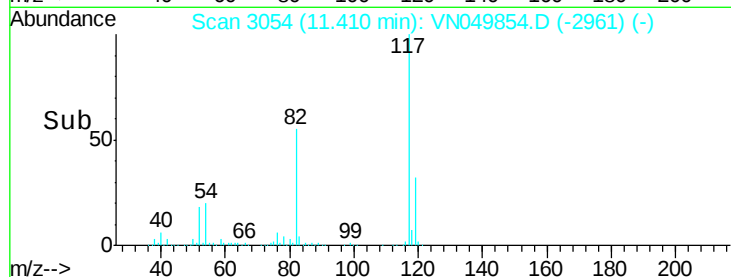
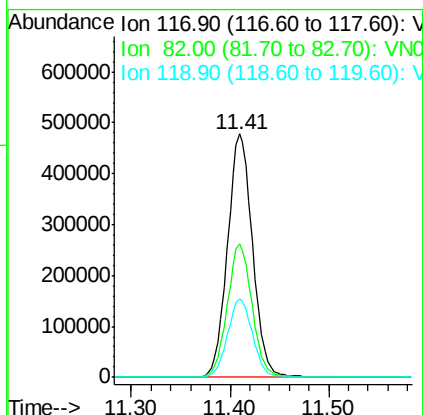
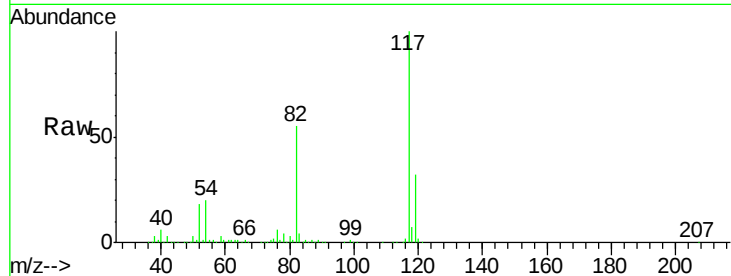




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

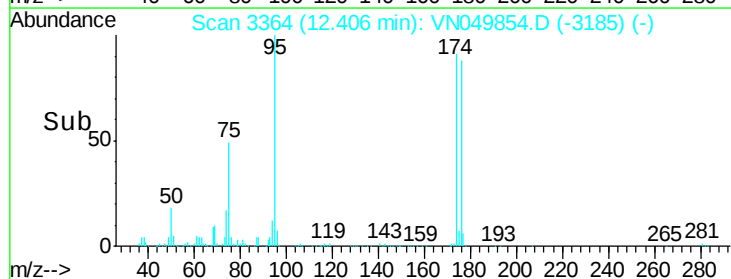
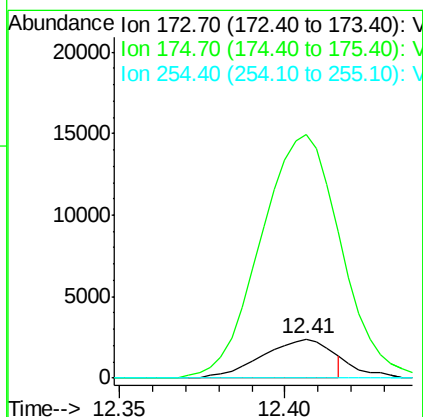
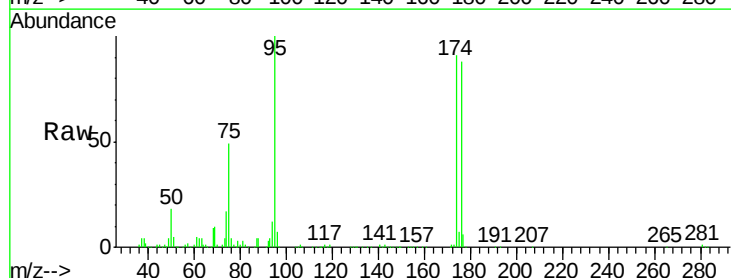
Instrument :
MSVOA_N
ClientSampleId :
PB111173ZHE#02

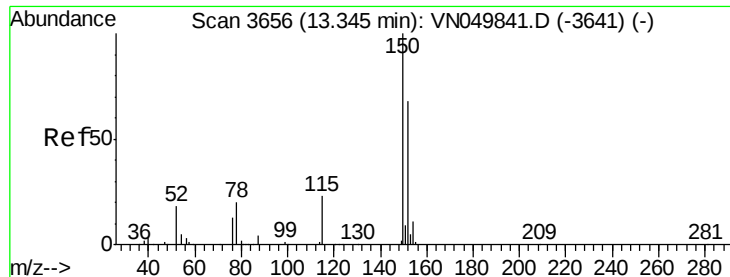
Tot Ion:117 Resp: 847015
Ion Ratio Lower Upper
117 100
82 54.8 41.9 62.9
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.58 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049854.D
Acq: 17 Jul 2018 18:44

Tgt Ion:173 Resp: 3448
Ion Ratio Lower Upper
173 100
175 642.2 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#02

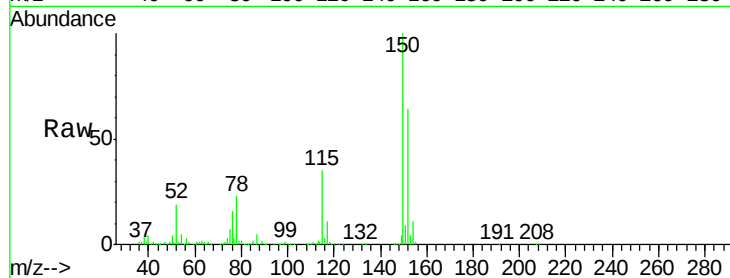
Tot Ion:152 Resp: 325267

Ion Ratio Lower Upper

152 100

115 54.8 28.1 84.2

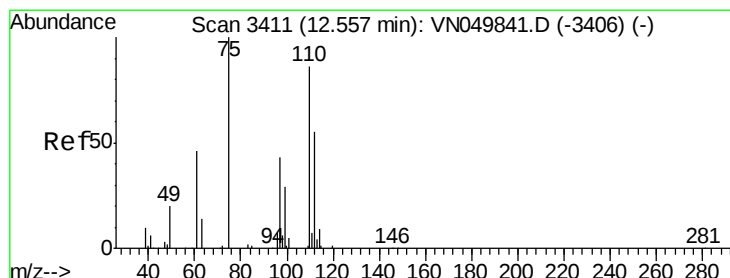
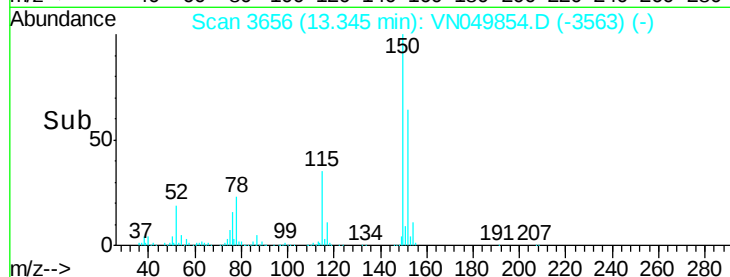
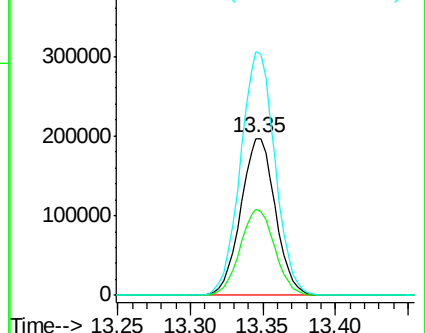
150 155.2 0.0 347.6



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: 29.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049854.D

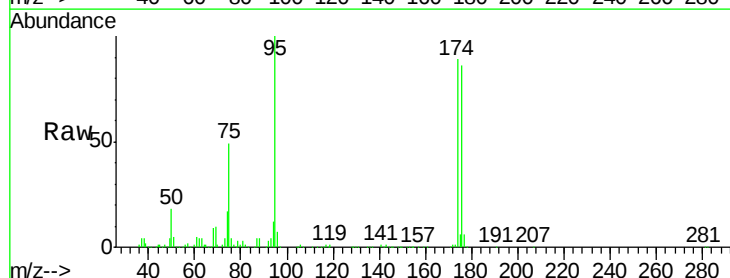
Acq: 17 Jul 2018 18:44

Tgt Ion: 75 Resp: 185568

Ion Ratio Lower Upper

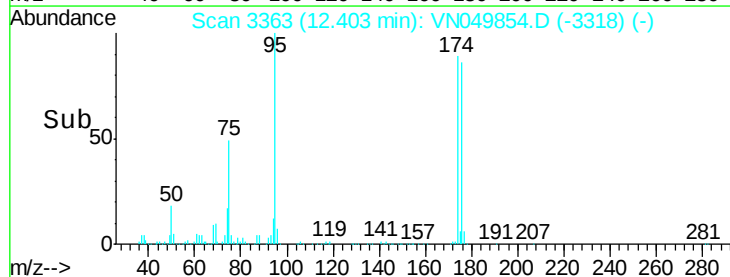
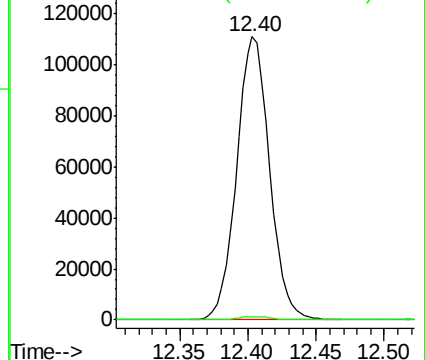
75 100

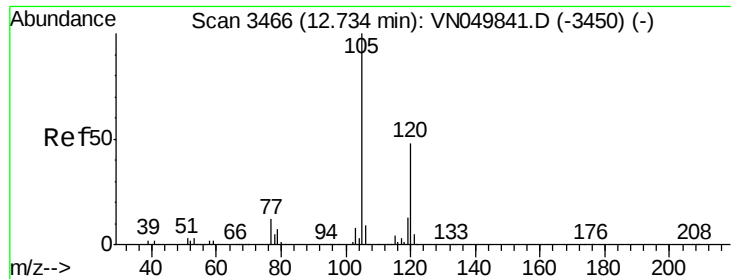
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

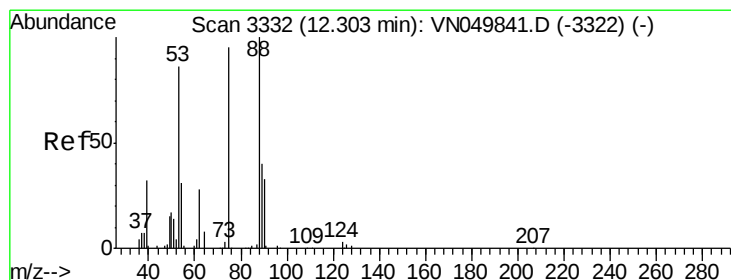
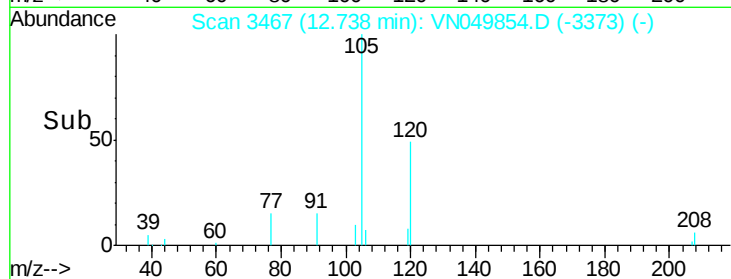
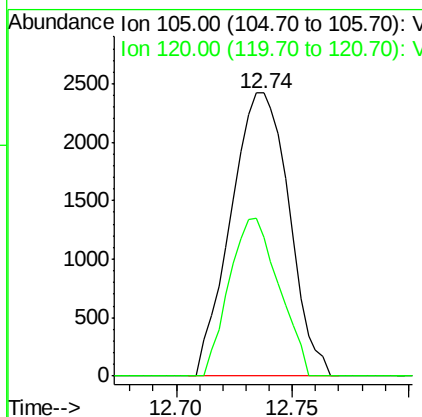
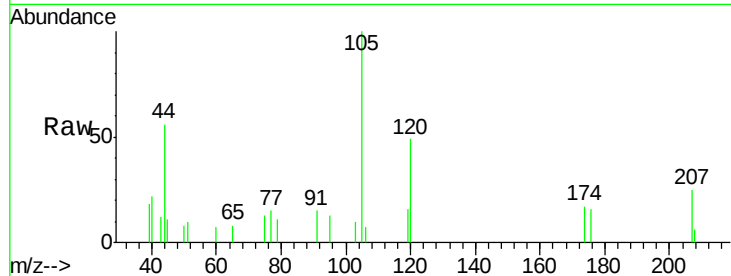




#80
 1,3,5-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN049854.D
 Acq: 17 Jul 2018 18:44

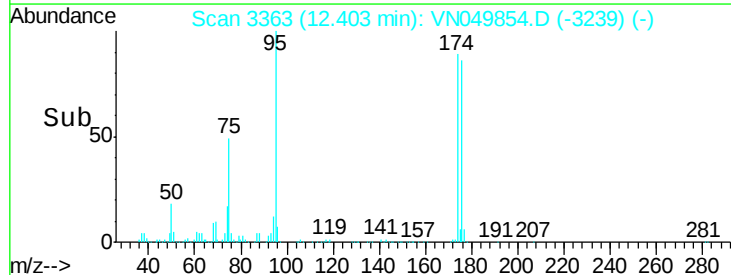
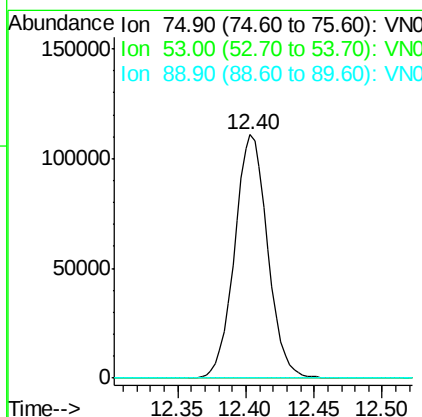
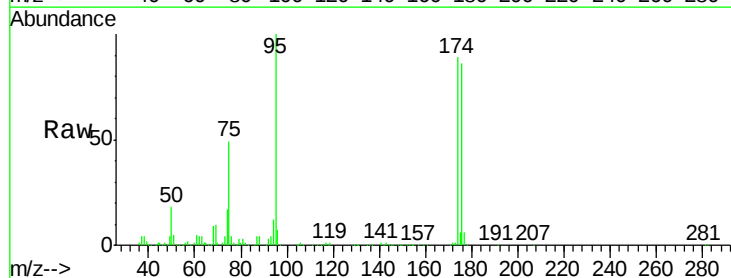
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111173ZHE#02

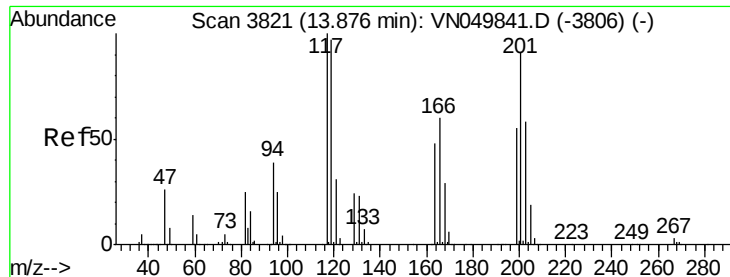
Tot Ion:105 Resp: 4210
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.43 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049854.D
 Acq: 17 Jul 2018 18:44

Tgt Ion: 75 Resp: 185568
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.9 110.9#
 89 0.0 35.9 53.9#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

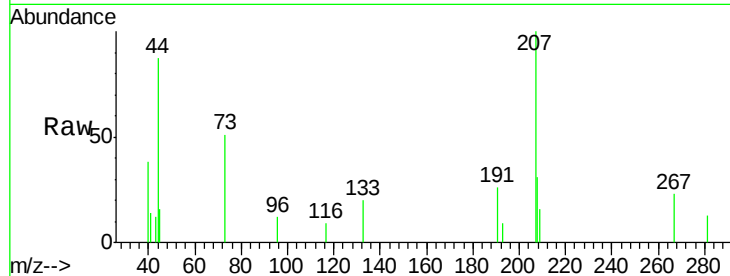
PB111173ZHE#02

Tot Ion:117 Resp: 29

Ion Ratio Lower Upper

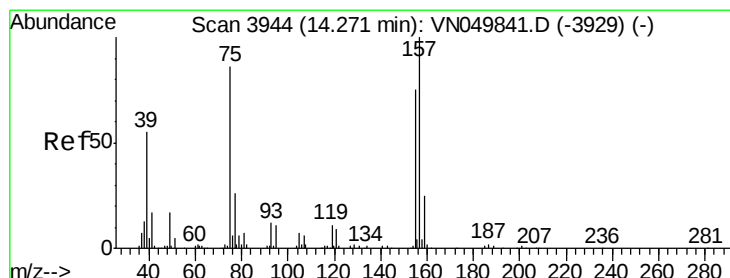
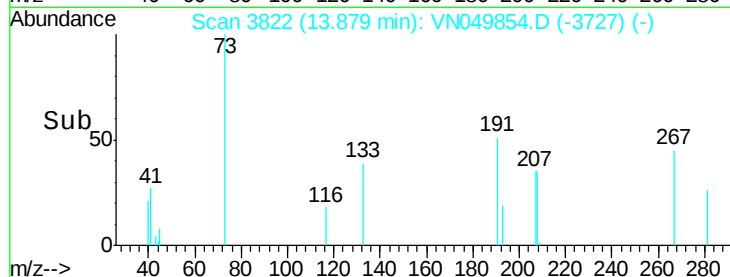
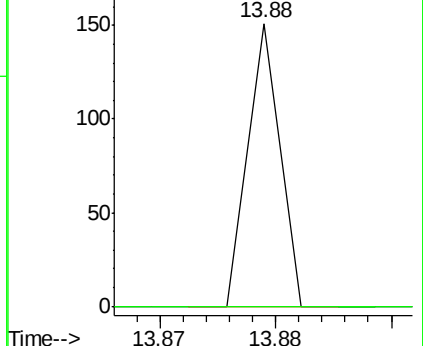
117 100

201 0.0 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: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049854.D

Acq: 17 Jul 2018 18:44

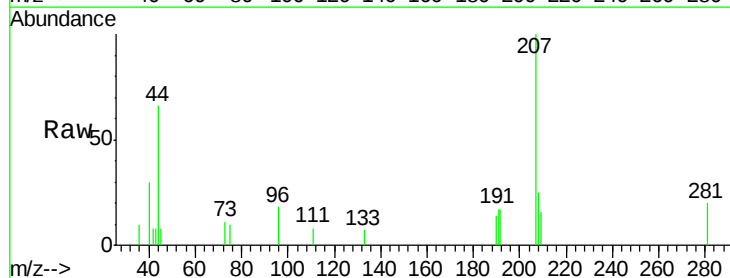
Tgt Ion: 75 Resp: 106

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

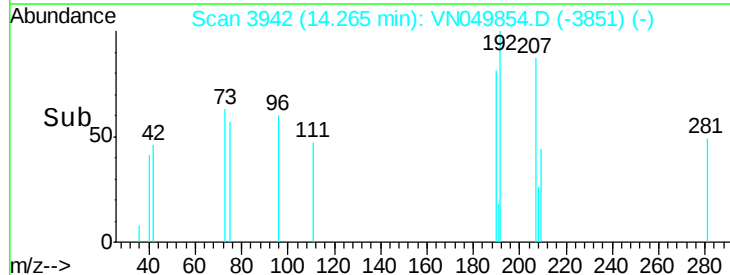
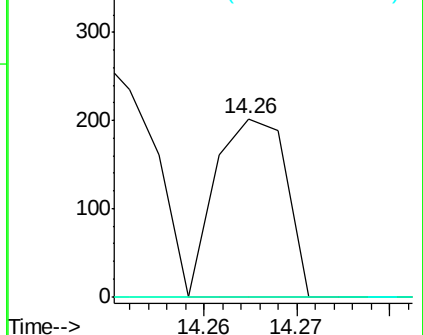
157 0.0 56.9 170.7#

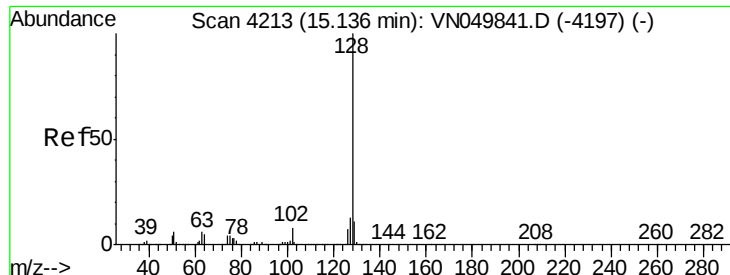


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 2.97 ug/l

RT: 15.15 min Scan# 4216

Delta R.T. 0.01 min

Lab File: VN049854.D

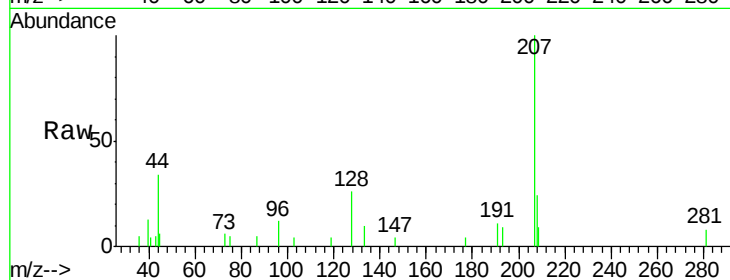
Acq: 17 Jul 2018 18:44

Instrument :

MSVOA_N

ClientSampleId :

PB111173ZHE#02



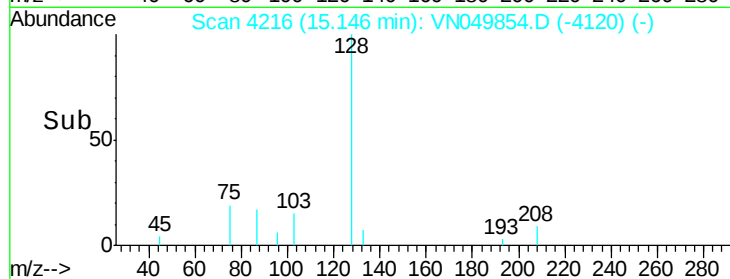
Tot Ion:128 Resp: 2107

Ion Ratio Lower Upper

128 100

127 3.0 10.4 15.6#

129 0.0 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

