

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049919.D
 Acq On : 19 Jul 2018 16:24
 Operator : MD\SY
 Sample : PB111251ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#06

Quant Time: Jul 20 01:29:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	569039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	306697	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	408056	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
35) Dibromofluoromethane	7.59	113	361012	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
50) Toluene-d8	10.09	98	1284234	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	
62) 4-Bromofluorobenzene	12.40	95	356920	35.17	ug/l	0.00
Spiked Amount			Recovery	=	70.34%	

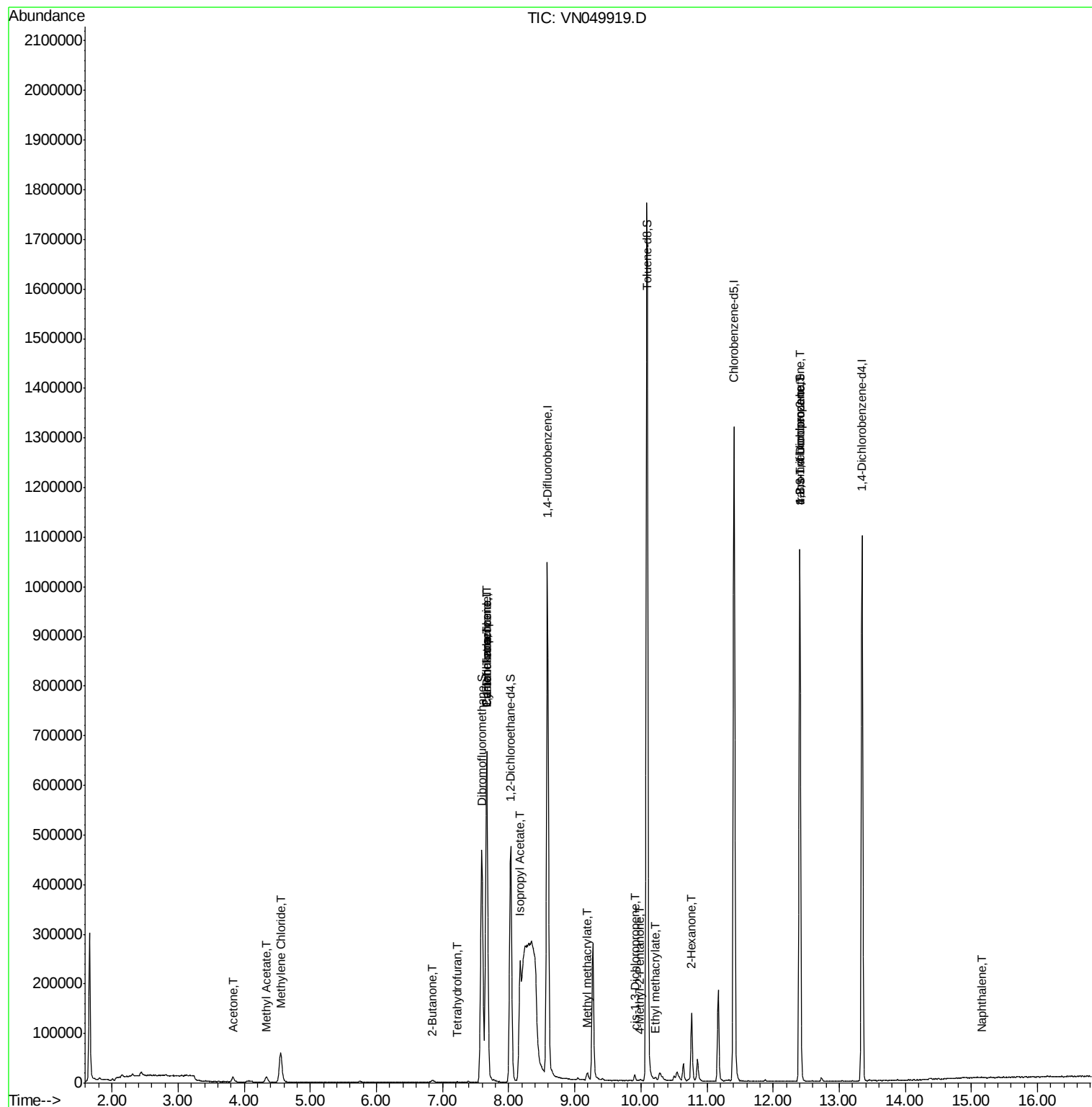
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	339	Below Cal		94
16) Acetone	3.83	43	16581	8.19	ug/l	96
18) Methyl Acetate	4.34	43	18673	2.14	ug/l	98
20) Methylene Chloride	4.55	84	45740	5.94	ug/l	95
25) 2-Butanone	6.85	43	3767	1.30	ug/l	99
29) Tetrahydrofuran	7.23	42	1488	0.82	ug/l #	32
31) Cyclohexane	7.67	56	10780	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40623	3.79	ug/l #	48
38) Carbon Tetrachloride	7.67	117	50365	4.39	ug/l #	16
43) Isopropyl Acetate	8.17	43	294010	22.88	ug/l	94
48) Methyl methacrylate	9.18	41	8922	1.38	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2499	0.35	ug/l #	87
54) cis-1,3-Dichloropropene	9.90	75	2554	0.21	ug/l #	69
56) Ethyl methacrylate	10.23	69	2574	2.39	ug/l #	80
59) 2-Hexanone	10.77	43	19692	4.08	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	176159	30.62	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	176159	95.74	ug/l #	13
95) Naphthalene	15.14	128	352	4.51	ug/l #	69

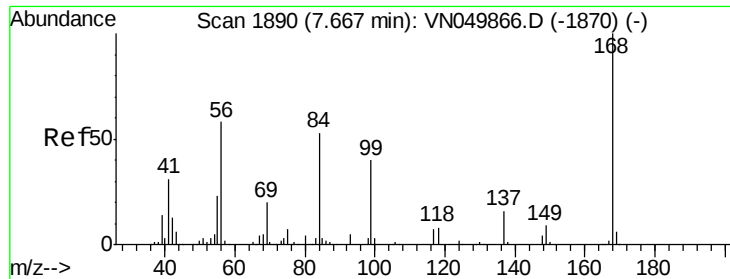
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071918\
Data File : VN049919.D
Acq On : 19 Jul 2018 16:24
Operator : MD\SY
Sample : PB111251ZHE#06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#06

Quant Time: Jul 20 01:29:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 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: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

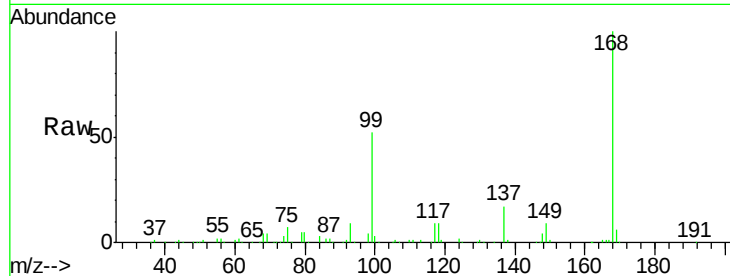
PB111251ZHE#06

Tot Ion:168 Resp: 569039

Ion Ratio Lower Upper

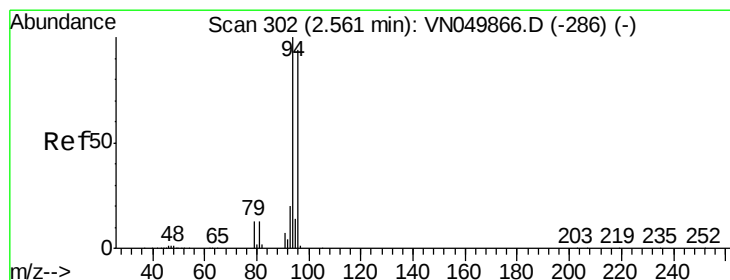
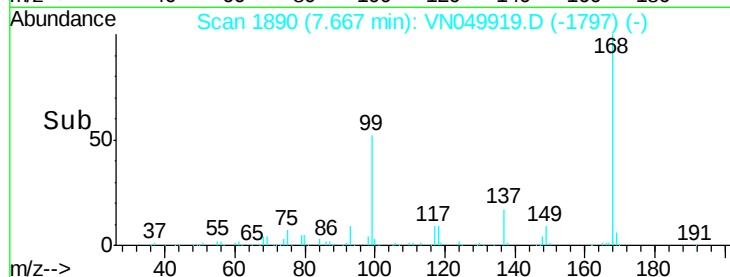
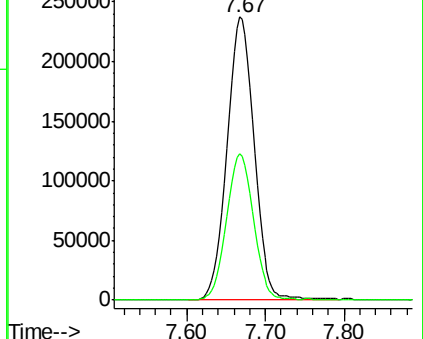
168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049919.D

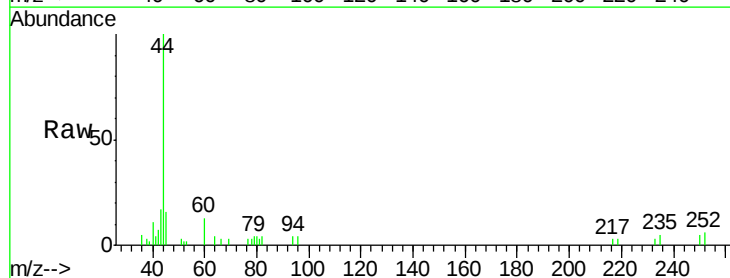
Acq: 19 Jul 2018 16:24

Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

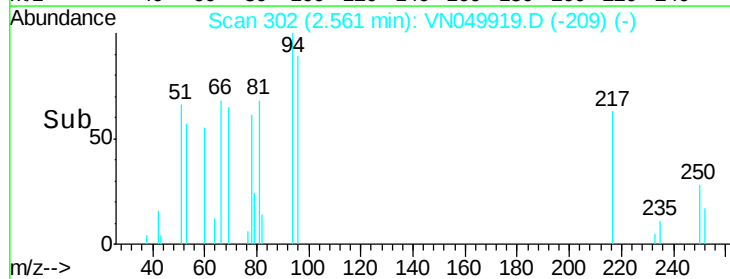
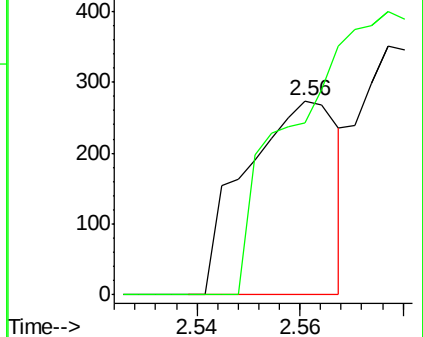
94 100

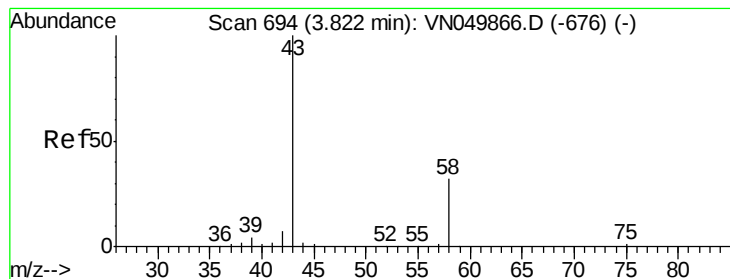
96 88.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#16

Acetone

Concen: 8.19 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

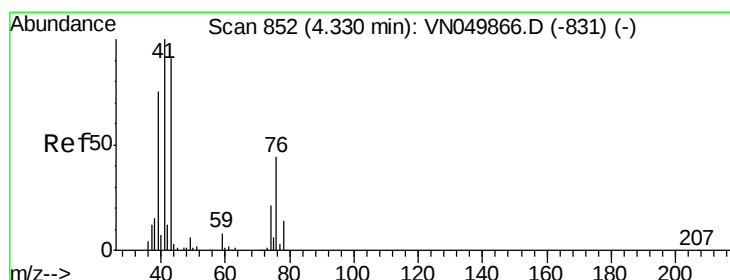
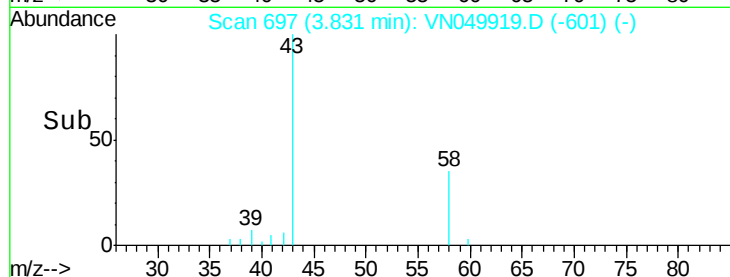
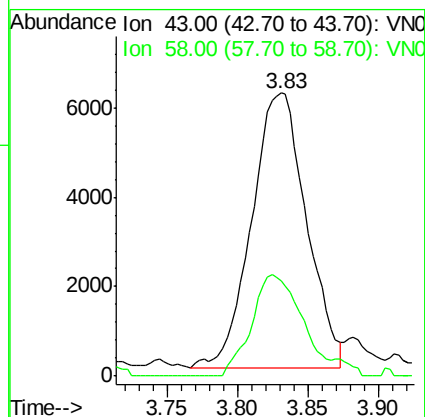
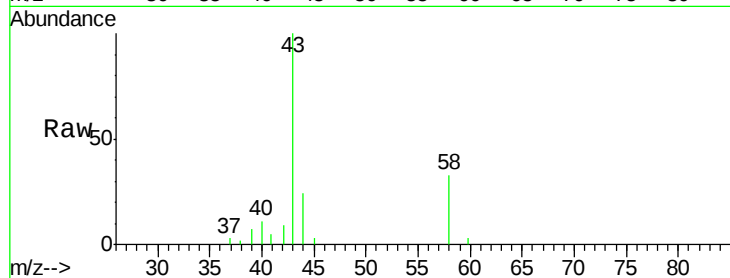
PB111251ZHE#06

Tot Ion: 43 Resp: 16581

Ion Ratio Lower Upper

43 100

58 34.5 25.9 38.9



#18

Methyl Acetate

Concen: 2.14 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049919.D

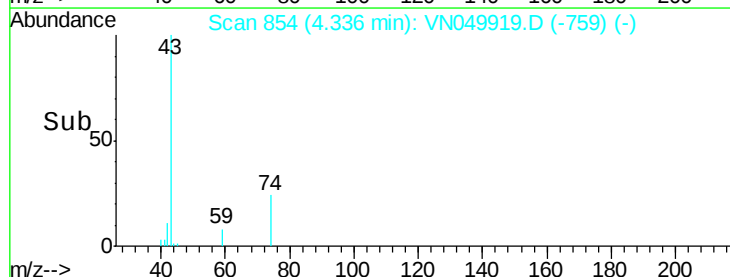
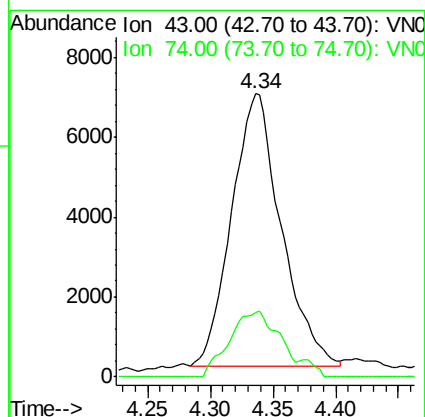
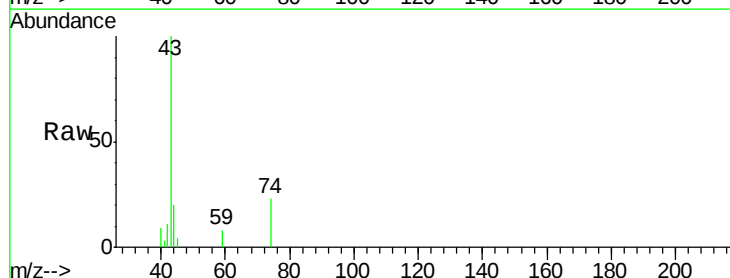
Acq: 19 Jul 2018 16:24

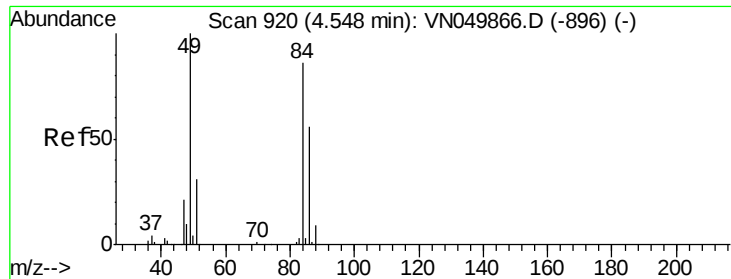
Tgt Ion: 43 Resp: 18673

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8

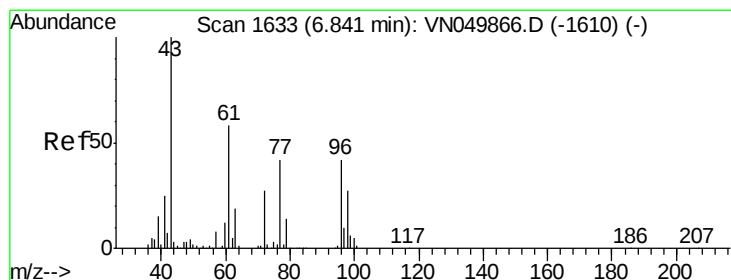
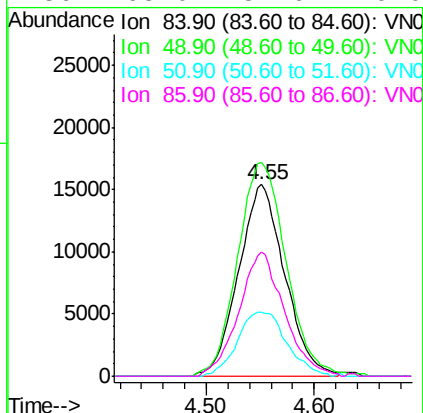
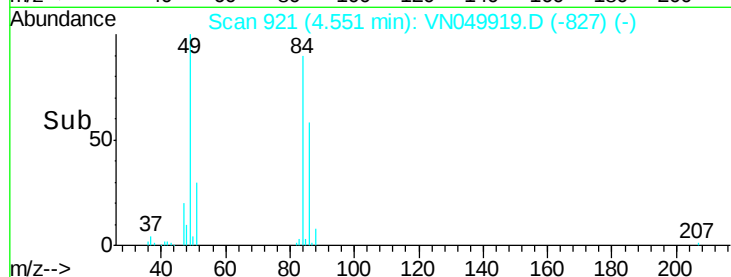
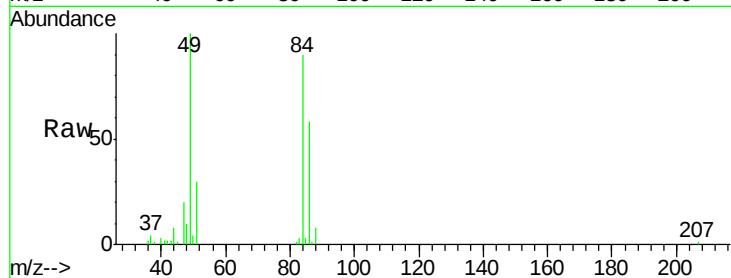




#20
Methvlene Chloride
Concen: 5.94 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

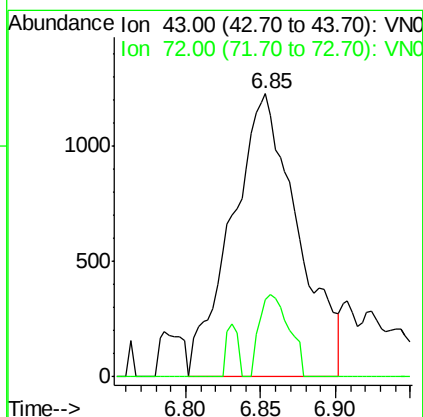
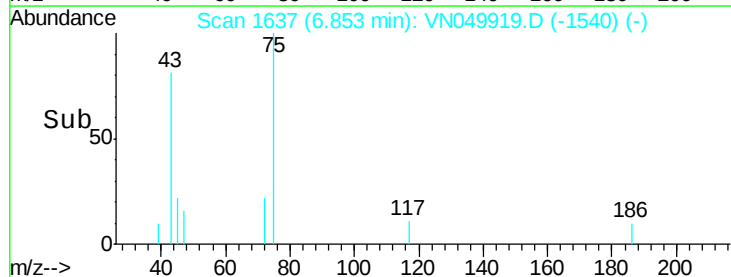
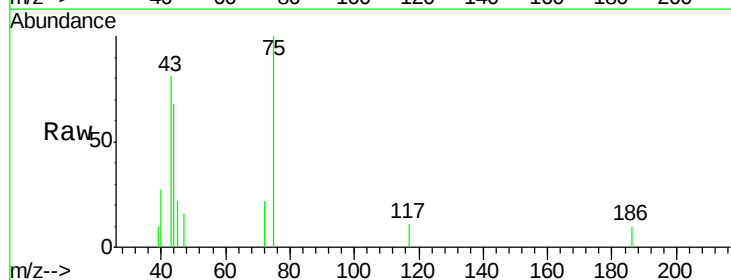
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#06

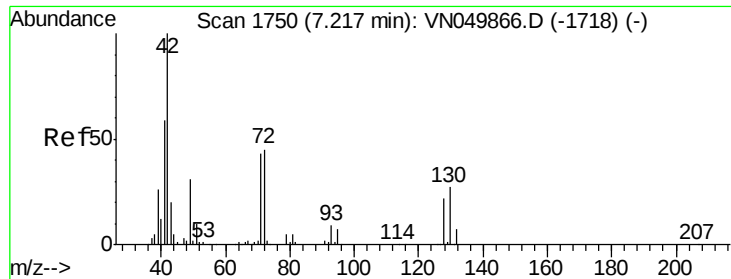
Tot Ion: 84 Resp: 45740
Ion Ratio Lower Upper
84 100
49 111.3 95.4 143.2
51 33.5 28.4 42.6
86 65.0 52.6 79.0



#25
2-Butanone
Concen: 1.30 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

Tgt Ion: 43 Resp: 3767
Ion Ratio Lower Upper
43 100
72 27.1 22.1 33.1

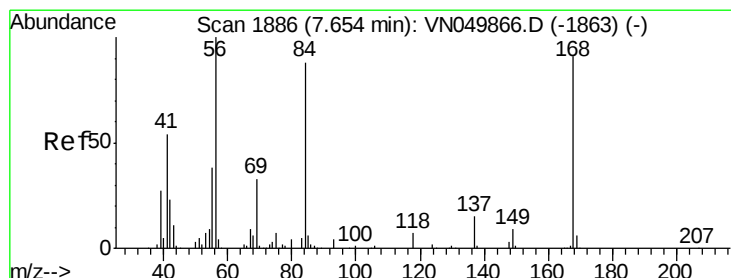
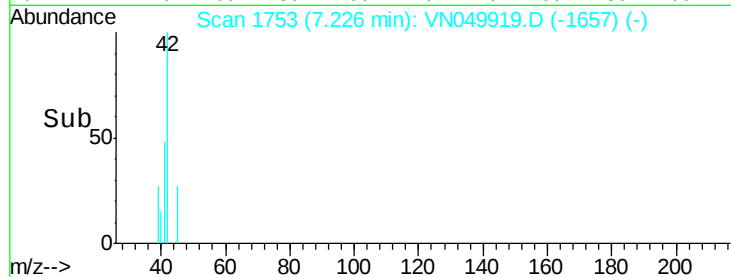
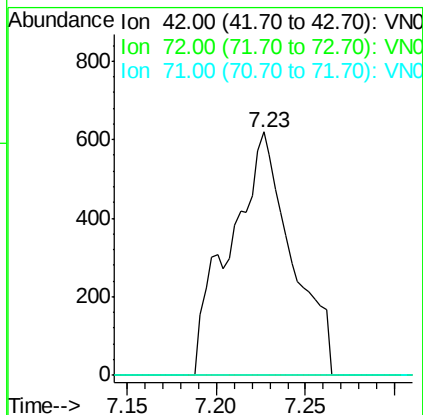
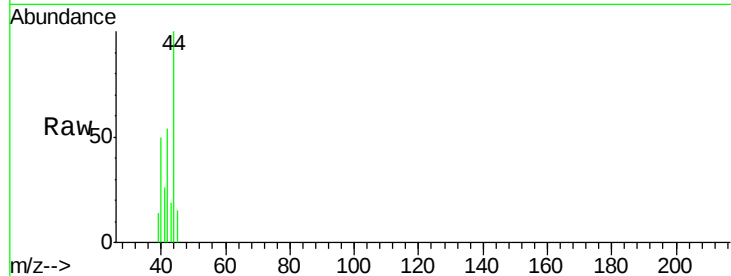




#29
Tetrahydrofuran
Concen: 0.82 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

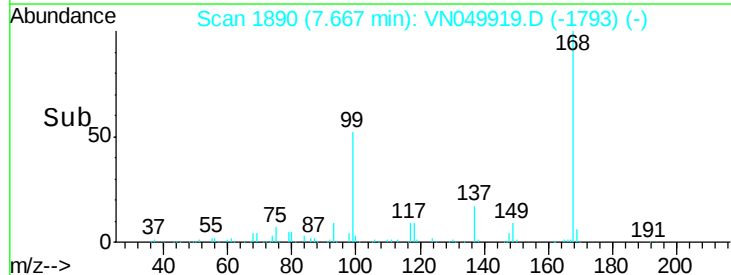
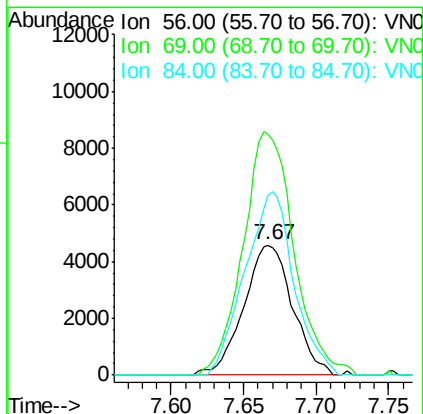
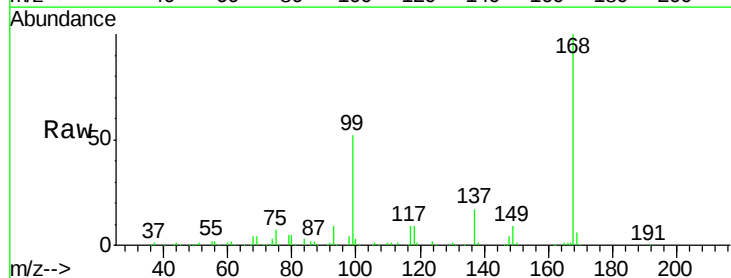
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#06

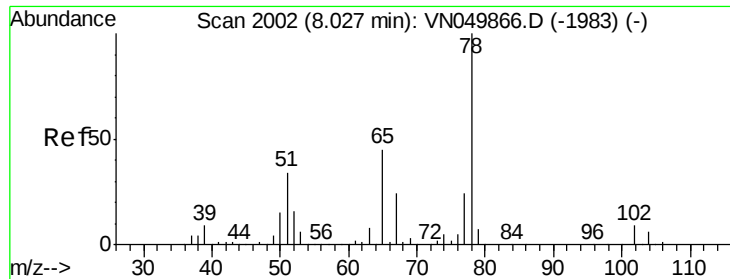
Tot Ion: 42 Resp: 1488
Ion Ratio Lower Upper
42 100
72 0.0 35.6 53.4#
71 0.0 34.0 51.0#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

Tgt Ion: 56 Resp: 10780
Ion Ratio Lower Upper
56 100
69 185.6 26.6 40.0#
84 138.0 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 52.17 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

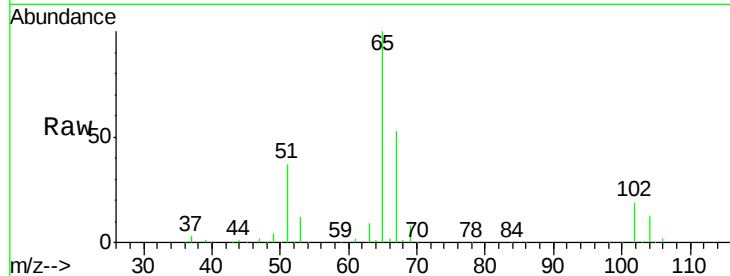
PB111251ZHE#06

Tot Ion: 65 Resp: 408056

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049919.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049919.D (-1909) (-)

8.03

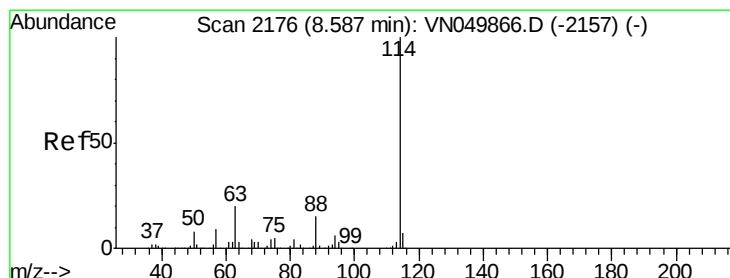
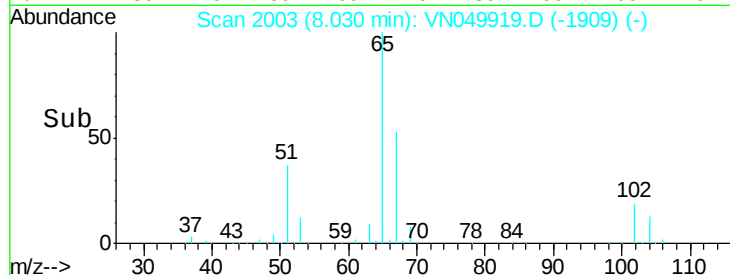
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

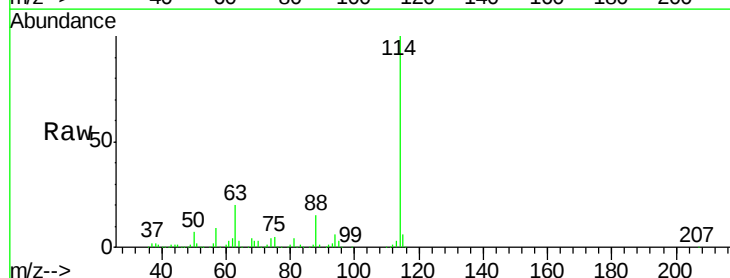
Tgt Ion: 114 Resp: 963393

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 15.4 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049919.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049919.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049919.D (-2083) (-)

600000

500000

400000

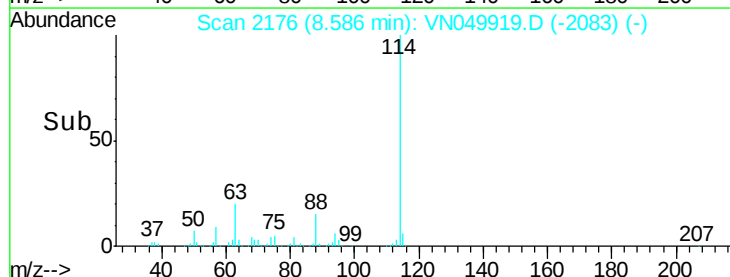
300000

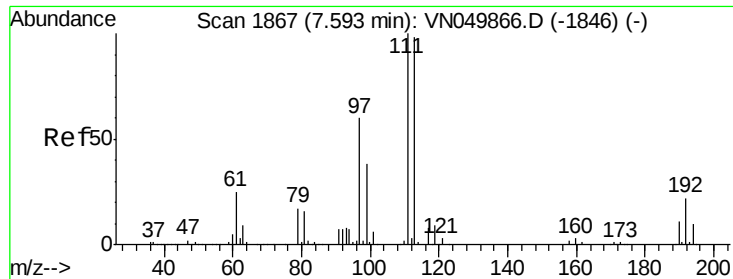
200000

100000

0

Time--> 8.50 8.60 8.70

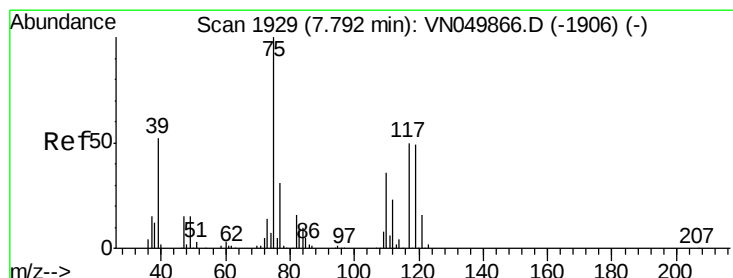
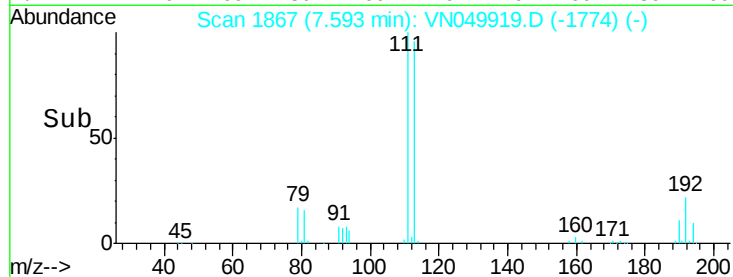
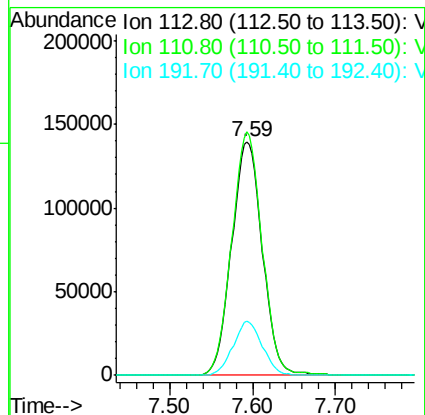
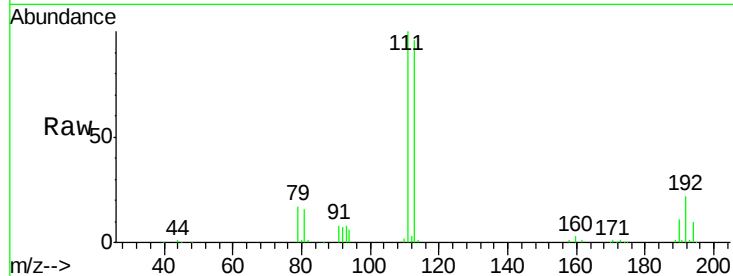




#35
Dibromofluoromethane
Concen: 44.64 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

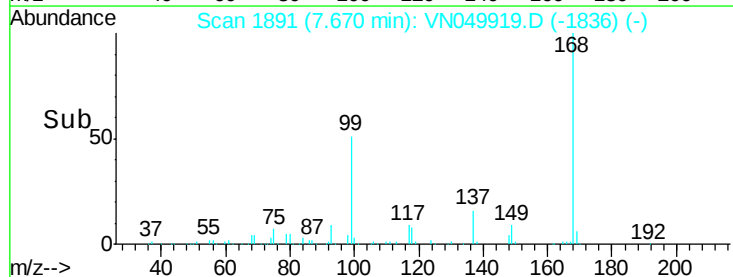
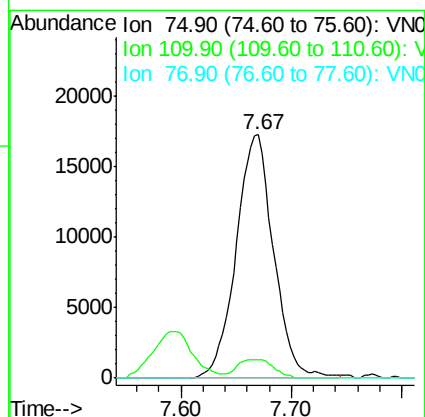
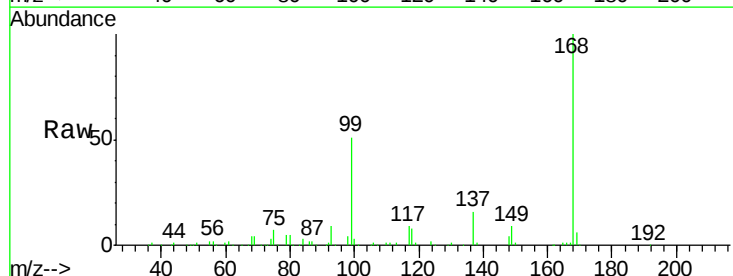
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#06

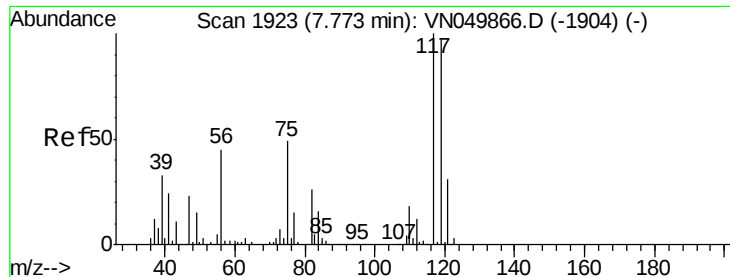
Tot Ion:113 Resp: 361012
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 21.9 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.79 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.12 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

Tgt Ion: 75 Resp: 40623
Ion Ratio Lower Upper
75 100
110 7.5 18.1 54.4#
77 0.0 24.9 37.3#

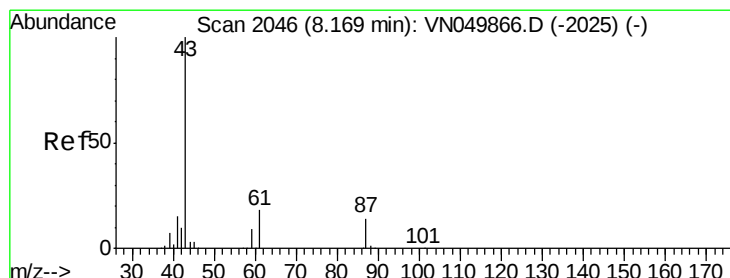
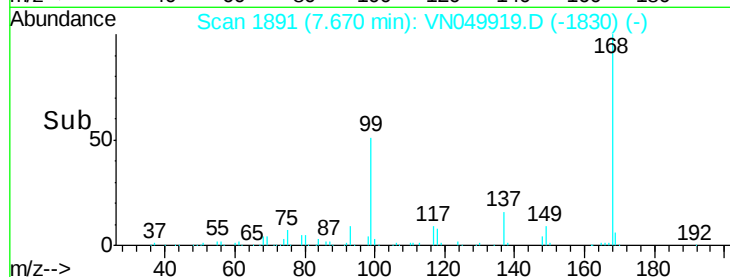
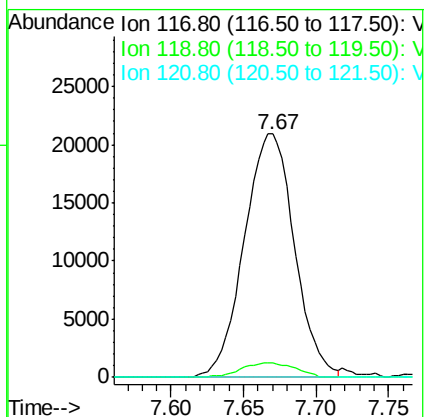
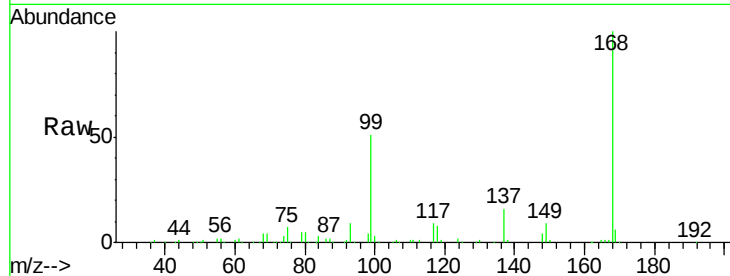




#38
Carbon Tetrachloride
Concen: 4.39 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

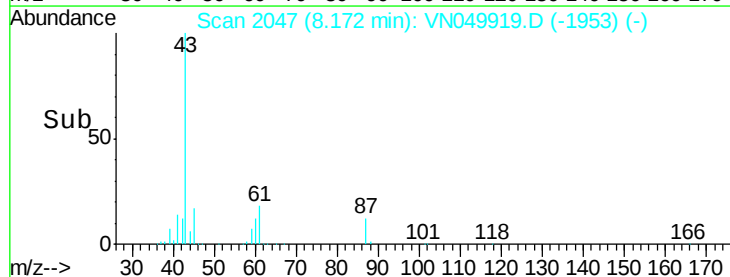
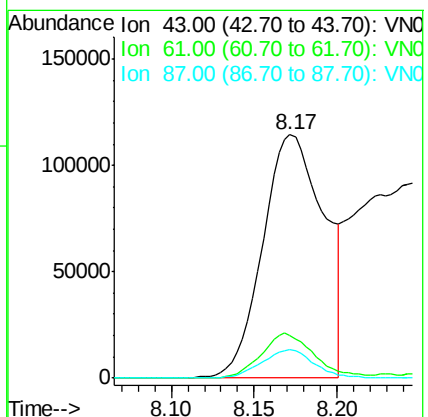
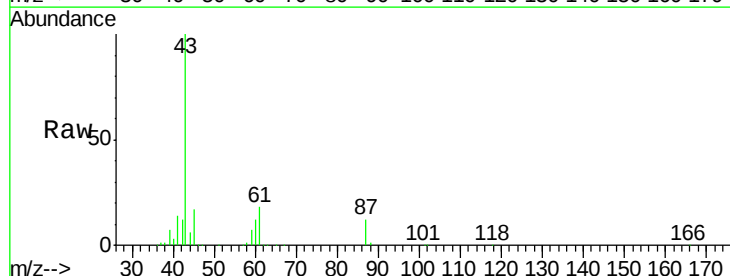
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#06

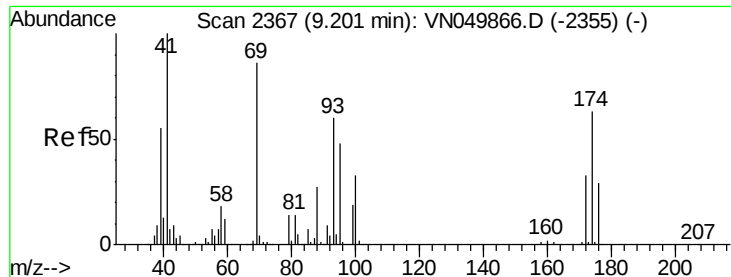
Tot Ion:117 Resp: 50365
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 22.88 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

Tgt Ion: 43 Resp: 294010
Ion Ratio Lower Upper
43 100
61 16.0 14.9 22.3
87 10.0 10.0 15.0

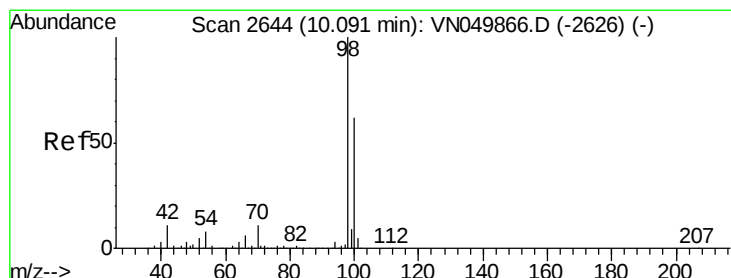
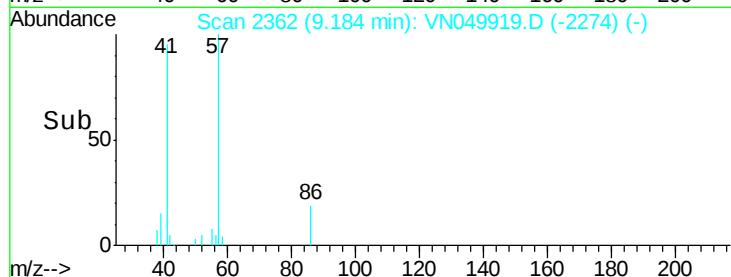
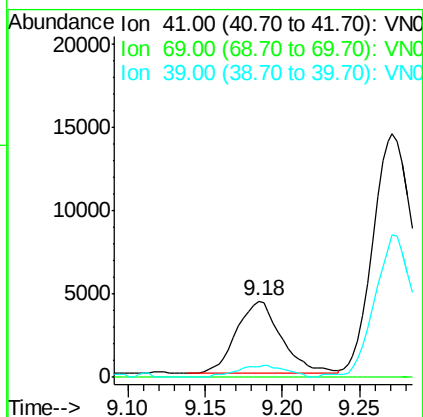
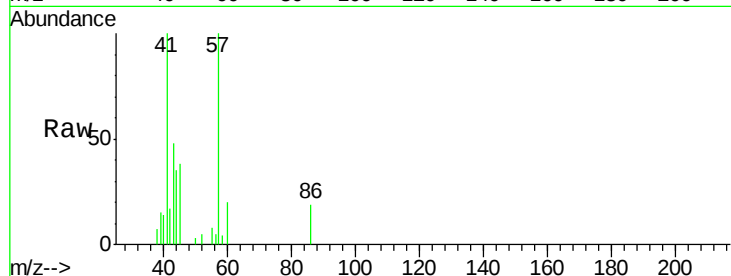




#48
Methvl methacrylate
Concen: 1.38 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

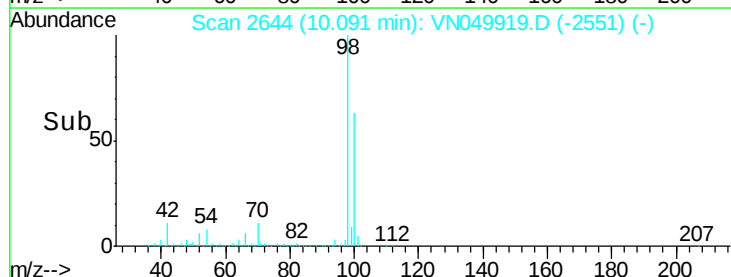
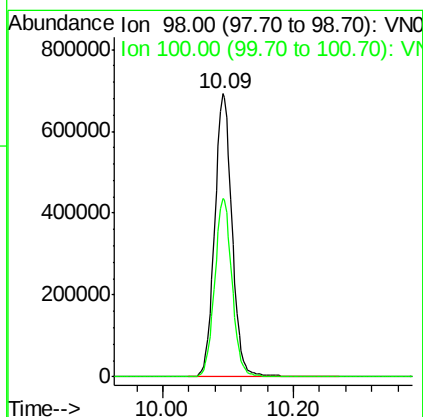
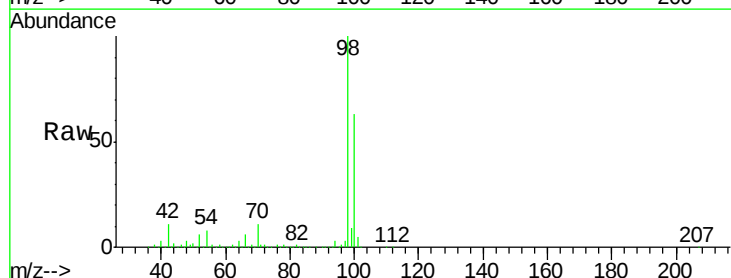
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#06

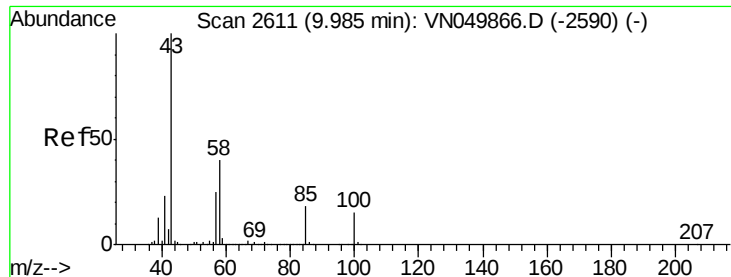
Tot Ion: 41 Resp: 8922
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 18.1 44.7 67.1#



#50
Toluene-d8
Concen: 43.58 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049919.D
Acq: 19 Jul 2018 16:24

Tgt Ion: 98 Resp: 1284234
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

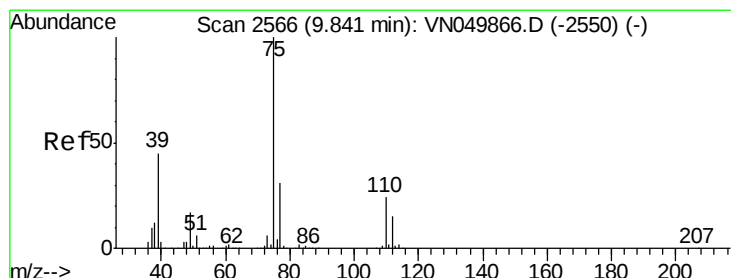
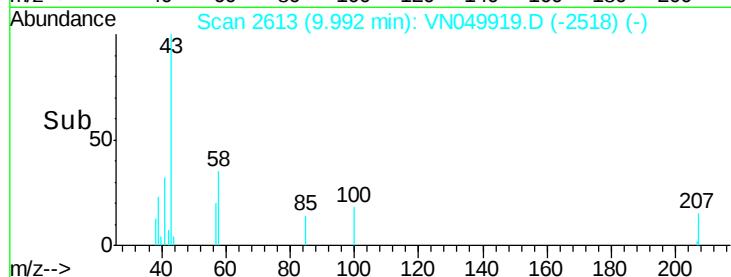
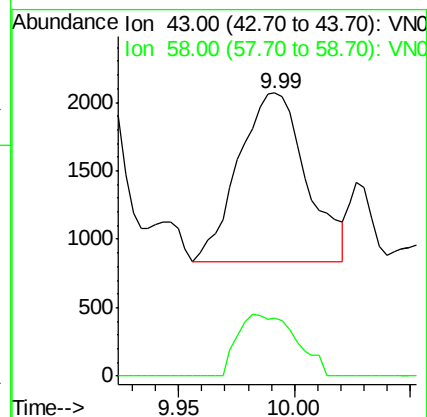
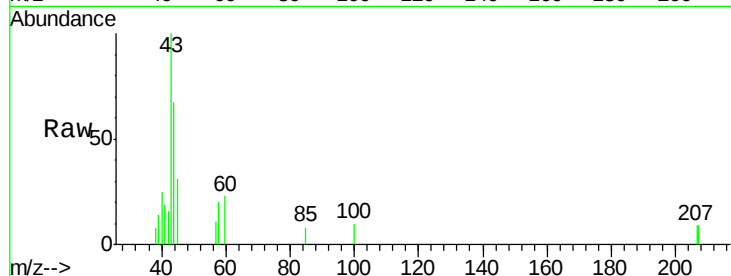
PB111251ZHE#06

Tot Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

58 31.7 31.8 47.8#



#54

cis-1,3-Dichloropropene

Concen: 0.21 ug/l

RT: 9.90 min Scan# 2586

Delta R.T. 0.06 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

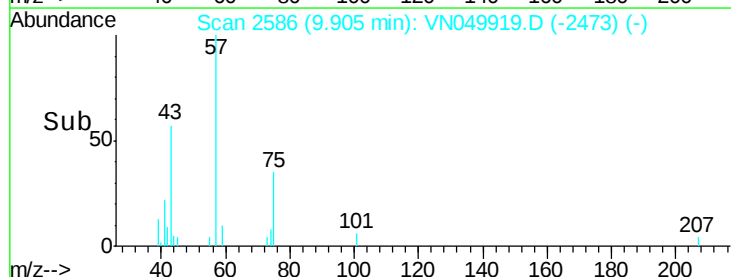
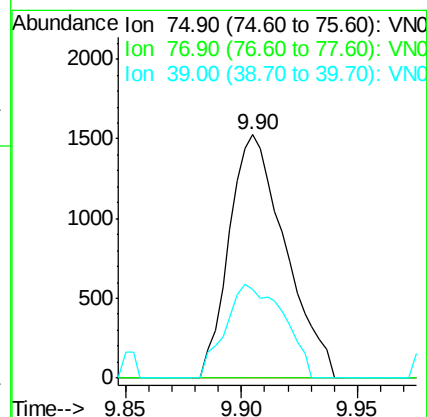
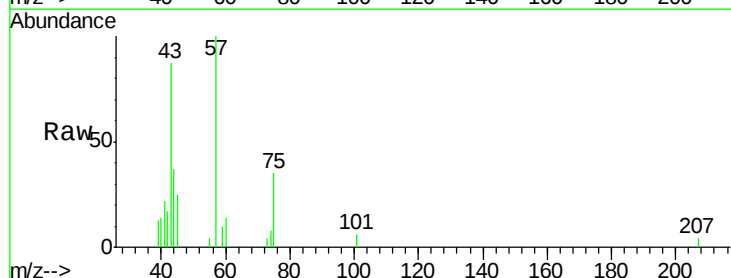
Tgt Ion: 75 Resp: 2554

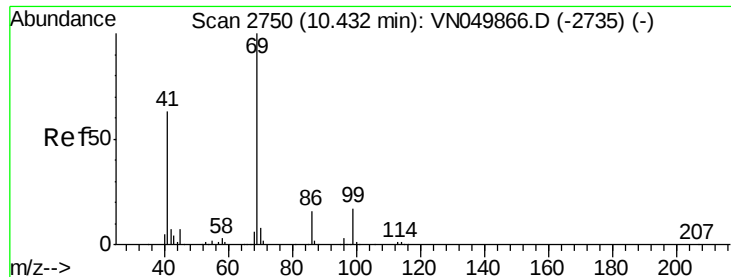
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 36.2 35.5 53.3





#56

Ethyl methacrylate

Concen: 2.39 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#06

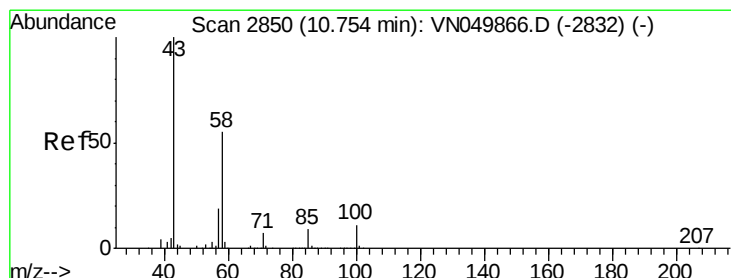
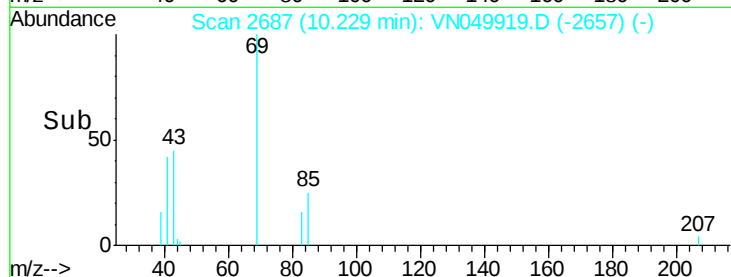
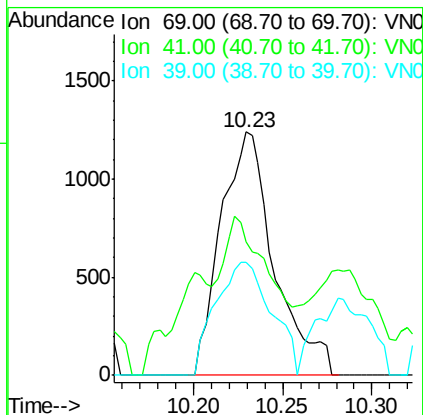
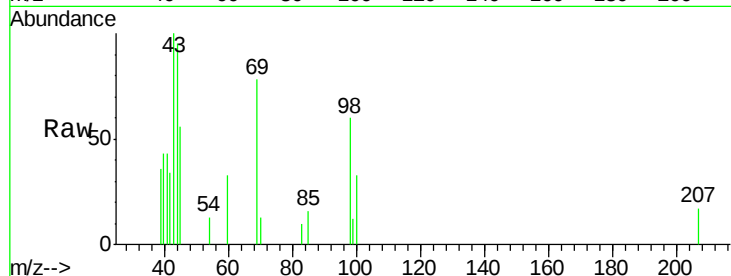
Tot Ion: 69 Resp: 2574

Ion Ratio Lower Upper

69 100

41 51.9 51.6 77.4

39 48.8 25.8 38.8#



#59

2-Hexanone

Concen: 4.08 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049919.D

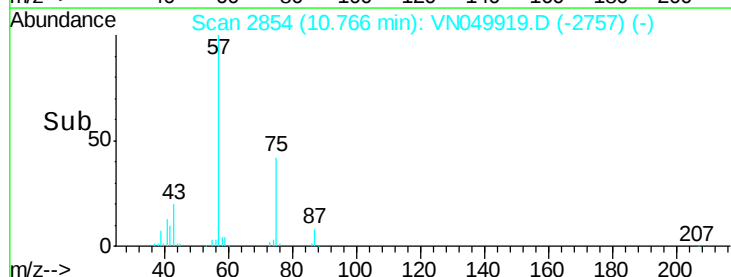
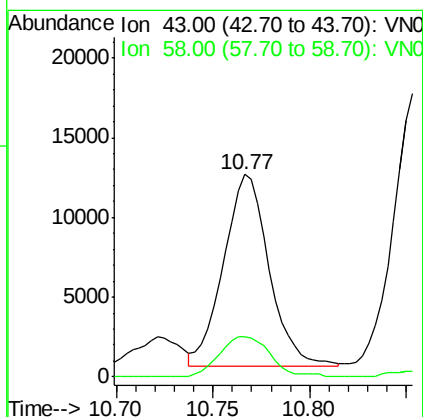
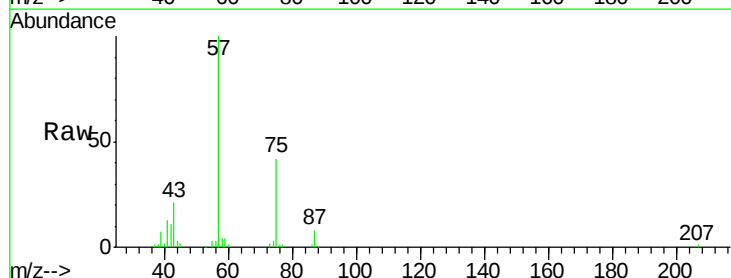
Acq: 19 Jul 2018 16:24

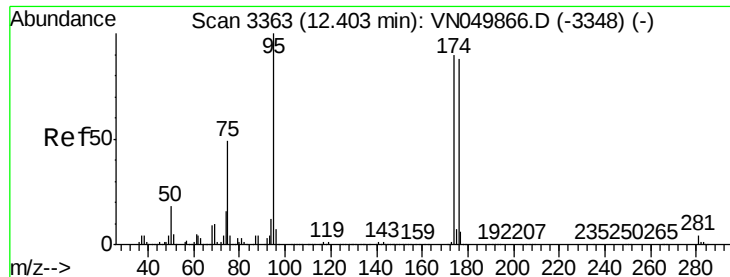
Tgt Ion: 43 Resp: 19692

Ion Ratio Lower Upper

43 100

58 23.6 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 35.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#06

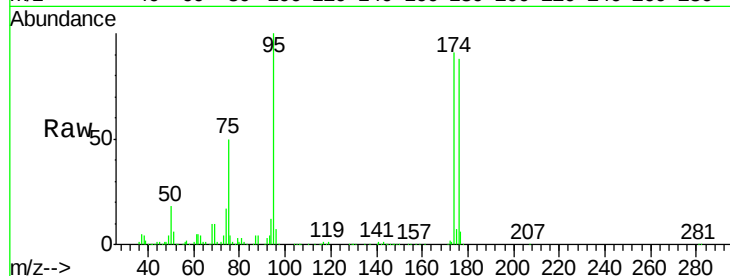
Tot Ion: 95 Resp: 356920

Ion Ratio Lower Upper

95 100

174 91.6 0.0 179.6

176 88.3 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049919.D (-2961) (-)

Ion 173.80 (173.50 to 174.50): VN049919.D (-2961) (-)

Ion 175.80 (175.50 to 176.50): VN049919.D (-2961) (-)

12.40

250000

200000

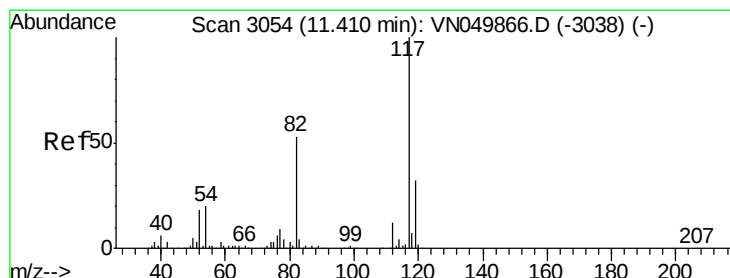
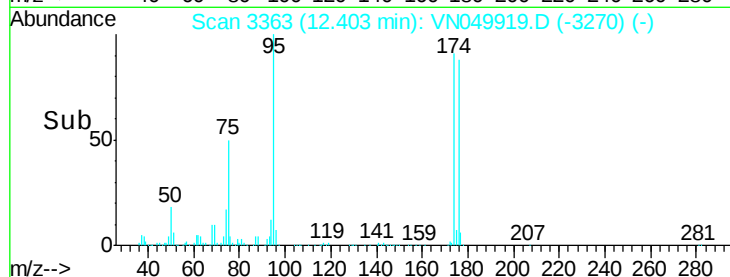
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

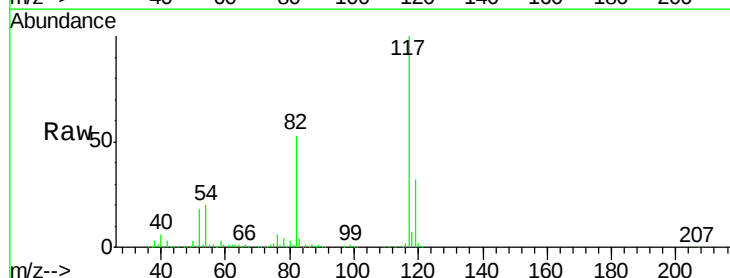
Tgt Ion: 117 Resp: 809762

Ion Ratio Lower Upper

117 100

82 53.5 41.9 62.9

119 32.2 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN049919.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049919.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049919.D (-2961) (-)

11.41

600000

500000

400000

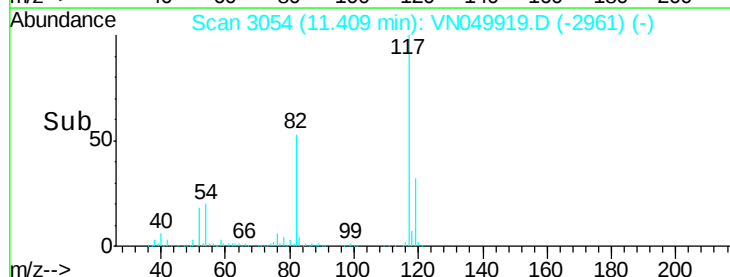
300000

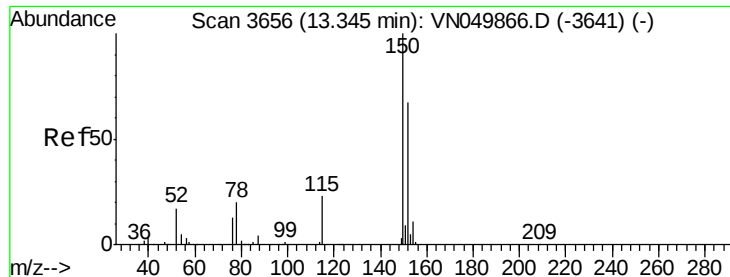
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#06

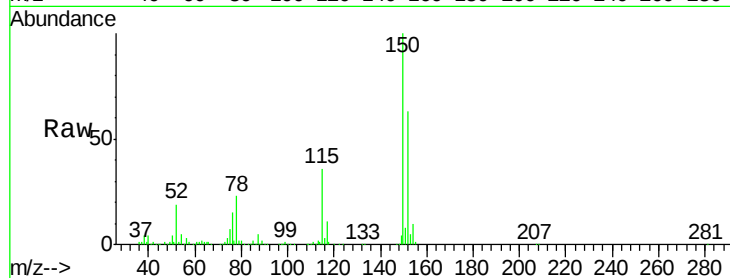
Tot Ion:152 Resp: 306697

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

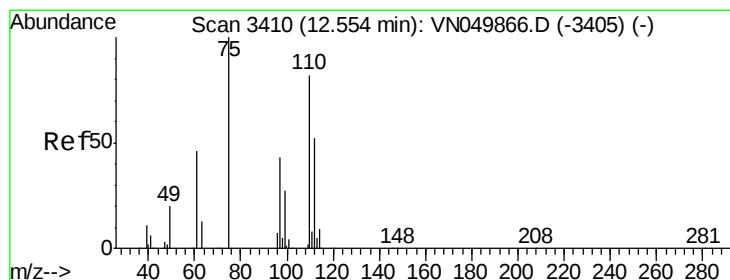
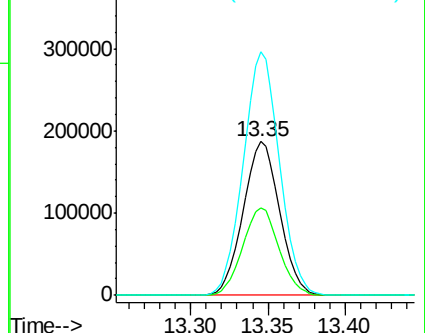
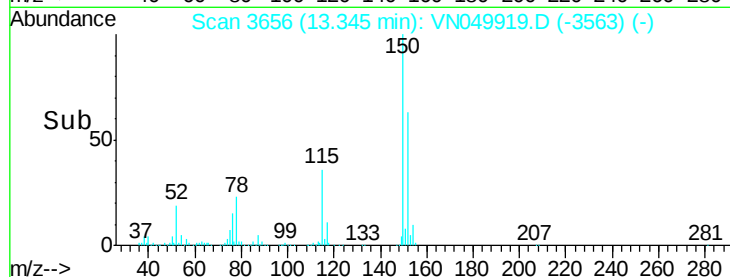
150 157.3 0.0 347.6



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: 30.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049919.D

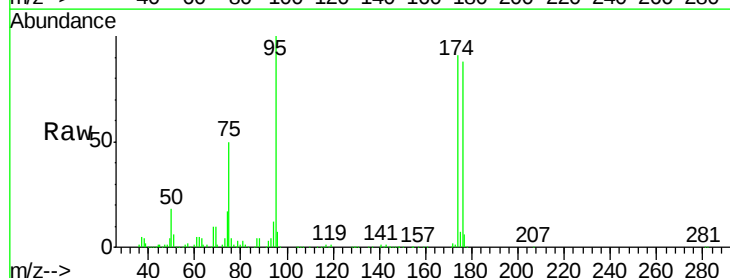
Acq: 19 Jul 2018 16:24

Tgt Ion: 75 Resp: 176159

Ion Ratio Lower Upper

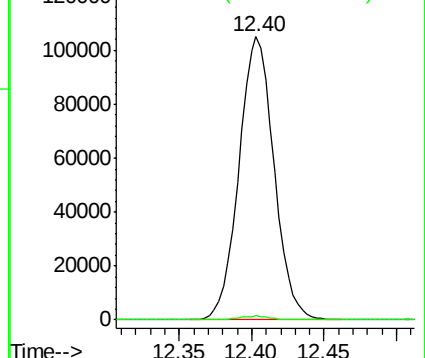
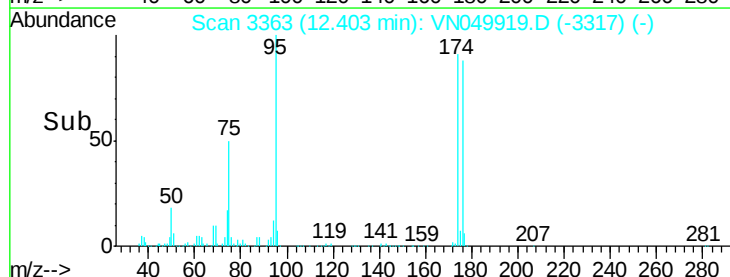
75 100

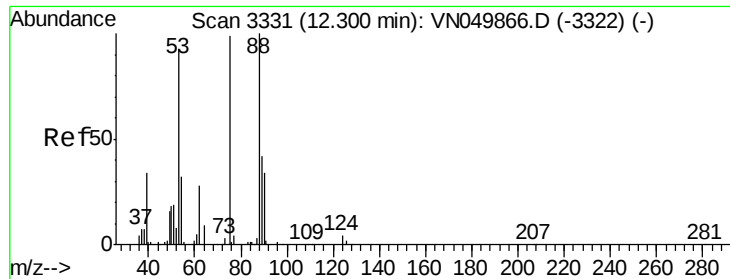
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 95.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#06

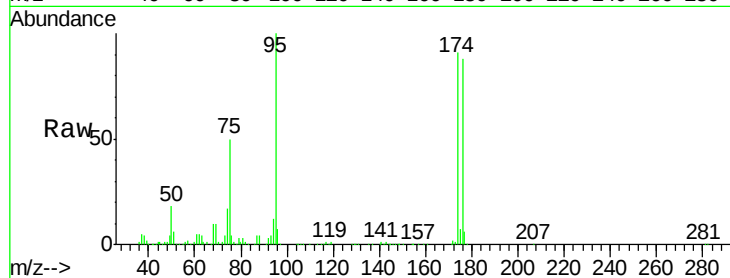
Tot Ion: 75 Resp: 176159

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

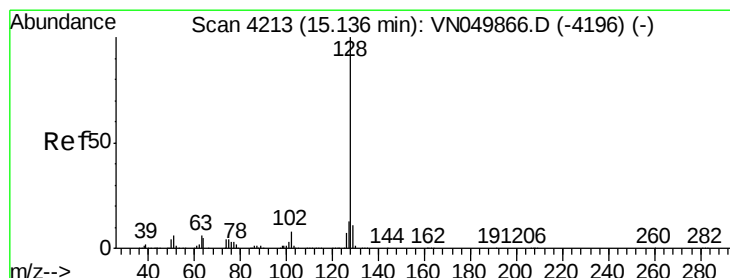
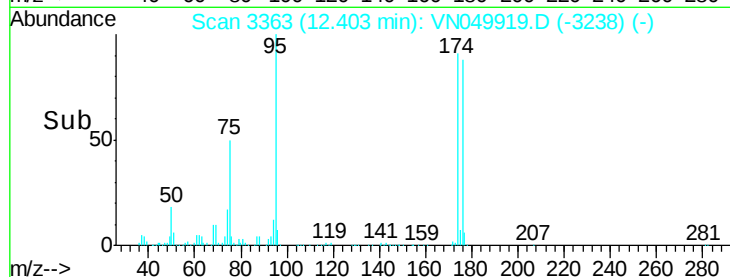
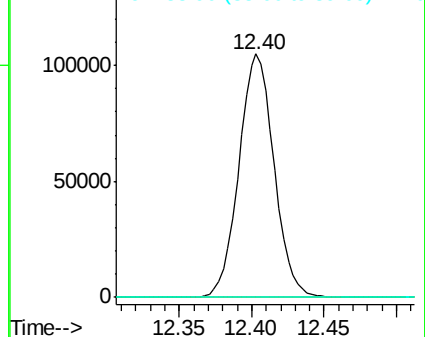
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN049919.D (-3238) (-)

Ion 53.00 (52.70 to 53.70): VN049919.D (-3238) (-)

Ion 88.90 (88.60 to 89.60): VN049919.D (-3238) (-)



#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049919.D

Acq: 19 Jul 2018 16:24

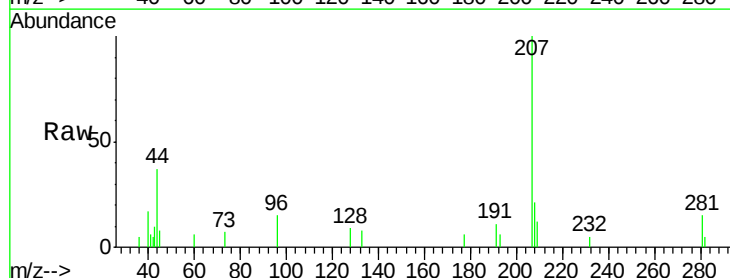
Tgt Ion: 128 Resp: 352

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN049919.D (-4120) (-)

Ion 127.00 (126.70 to 127.70): VN049919.D (-4120) (-)

Ion 129.00 (128.70 to 129.70): VN049919.D (-4120) (-)

