

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051949.D
 Acq On : 19 Oct 2018 15:47
 Operator : MD\SY
 Sample : PB113937ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937ZHE#10

Quant Time: Oct 19 23:08:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1000369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1501605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1324084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	475957	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	559843	60.37	ug/l	0.00
Spiked Amount			Recovery	=	120.74%	
35) Dibromofluoromethane	7.59	113	549103	57.53	ug/l	0.00
Spiked Amount			Recovery	=	115.06%	
50) Toluene-d8	10.09	98	2047653	58.94	ug/l	0.00
Spiked Amount			Recovery	=	117.88%	
62) 4-Bromofluorobenzene	12.40	95	585494	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

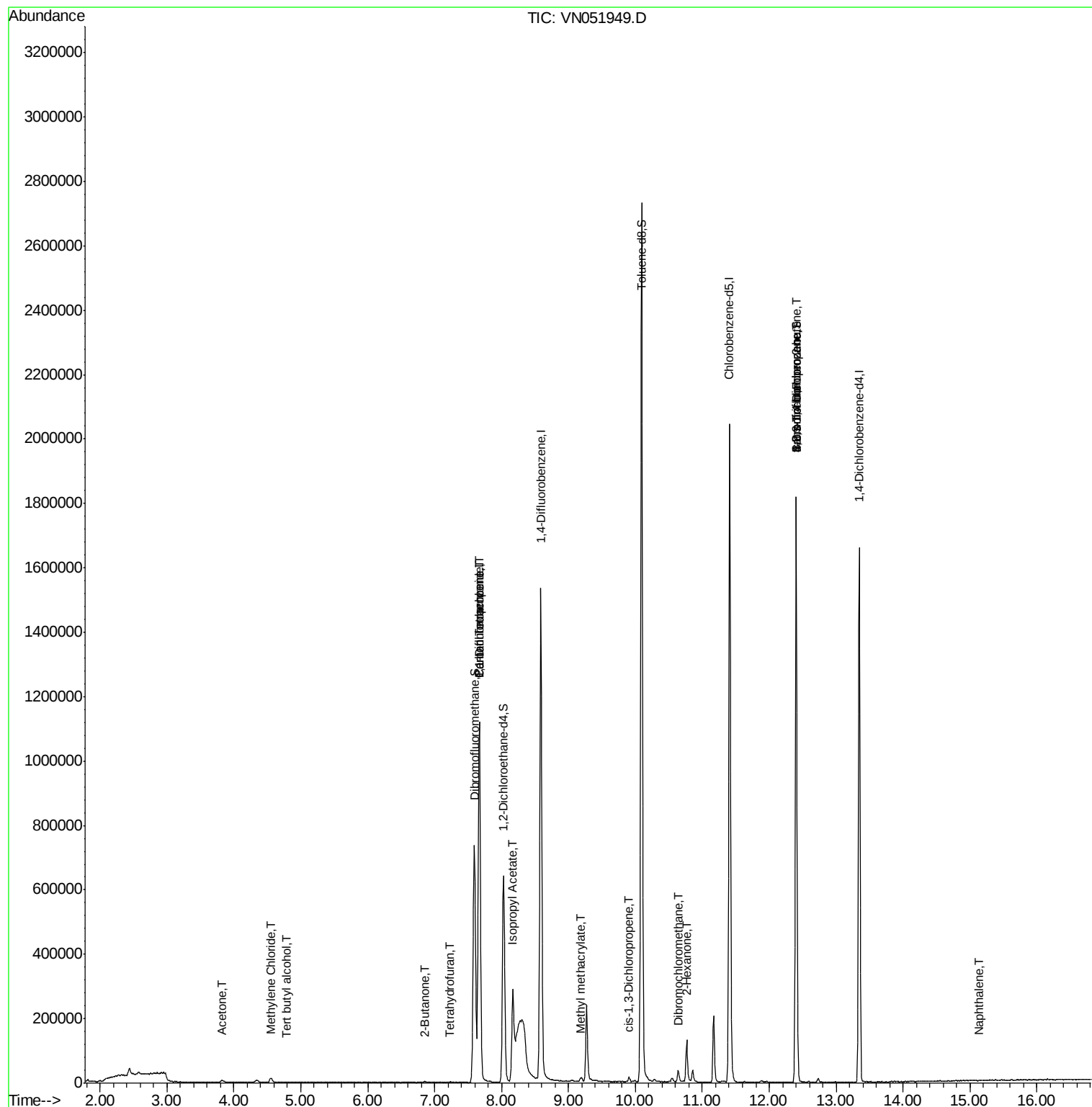
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2362	Below Cal	#	72
11) Tert butyl alcohol	4.78	59	121	0.223	ug/l #	72
13) Acrolein	3.53	56	70	Below Cal	#	14
16) Acetone	3.82	43	10648	6.484	ug/l	92
18) Methyl Acetate	4.33	43	13227	Below Cal	#	78
20) Methylene Chloride	4.56	84	10437	1.250	ug/l	85
25) 2-Butanone	6.84	43	1381	0.588	ug/l	96
29) Tetrahydrofuran	7.21	42	679	0.474	ug/l #	65
31) Cyclohexane	7.66	56	15629	Below Cal	#	29
36) 1,1-Dichloropropene	7.67	75	61945	5.315	ug/l #	41
37) Ethyl Acetate	6.92	43	646	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	89228	6.501	ug/l #	15
43) Isopropyl Acetate	8.17	43	341337	31.760	ug/l #	82
48) Methyl methacrylate	9.18	41	5695	1.210	ug/l #	7
54) cis-1,3-Dichloropropene	9.91	75	2703	0.213	ug/l #	72
59) 2-Hexanone	10.77	43	18390	5.055	ug/l #	57
60) Dibromochloromethane	10.63	129	60	2.056	ug/l #	11
71) Bromoform	12.40	173	5072	3.874	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	290993	50.301	ug/l #	100
79) 2-Chlorotoluene	12.78	91	102	Below Cal		84
81) trans-1,4-Dichloro-2-buten	12.40	75	290993	165.300	ug/l #	14
95) Naphthalene	15.14	128	516	4.092	ug/l #	70

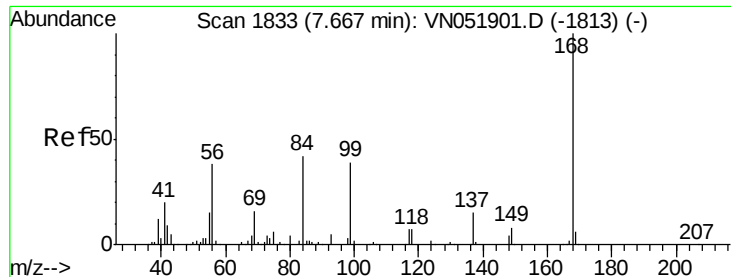
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101918\
Data File : VN051949.D
Acq On : 19 Oct 2018 15:47
Operator : MD\SY
Sample : PB113937ZHE#10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#10

Quant Time: Oct 19 23:08:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

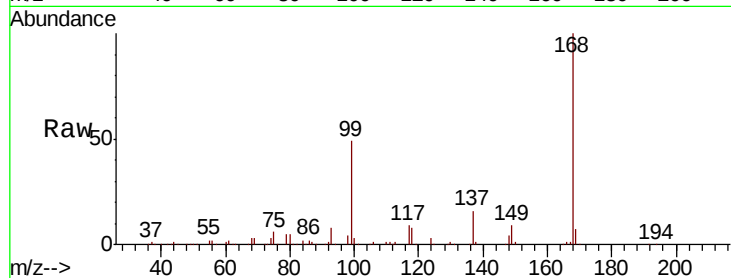
PB113937ZHE#10

Tot Ion:168 Resp: 1000369

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VN051901.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051901.D (-1813) (-)

7.67

400000

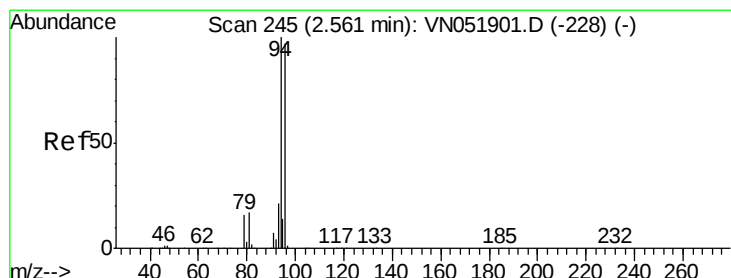
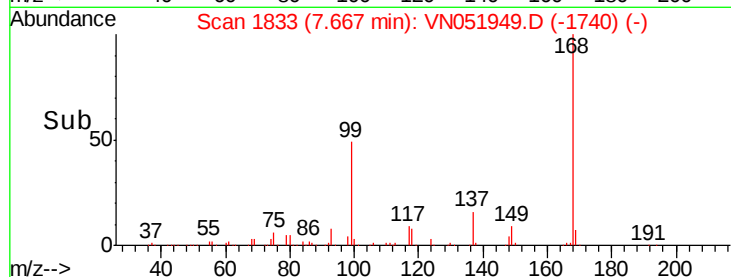
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051949.D

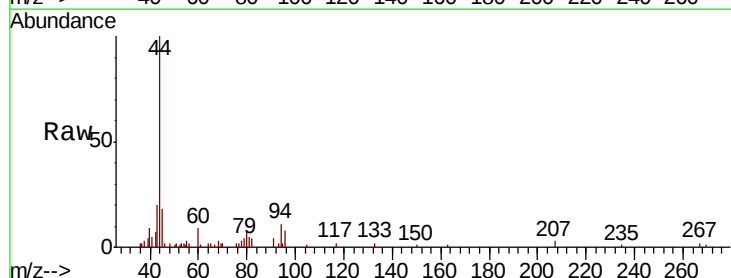
Acq: 19 Oct 2018 15:47

Tgt Ion: 94 Resp: 2362

Ion Ratio Lower Upper

94 100

96 69.4 77.5 116.3#



Abundance Ion 93.90 (93.60 to 94.60): VN051949.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051949.D (-152) (-)

2.57

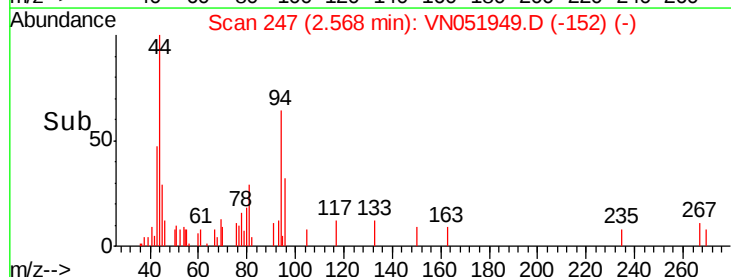
1500

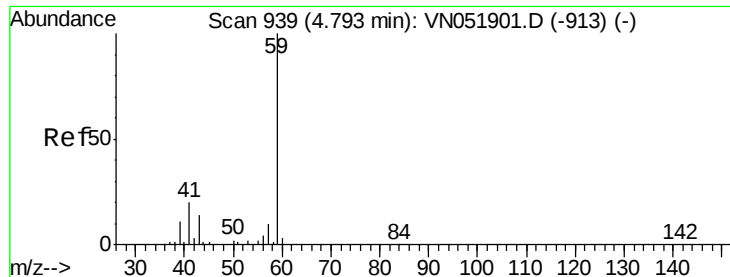
1000

500

0

Time-->

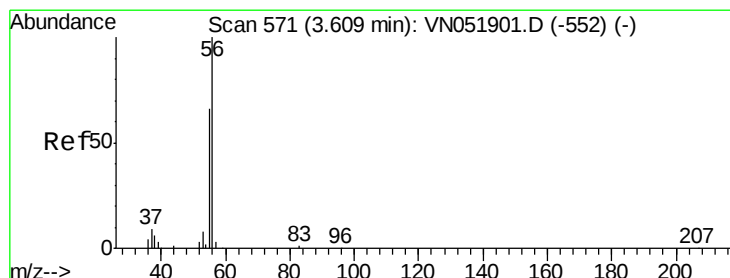
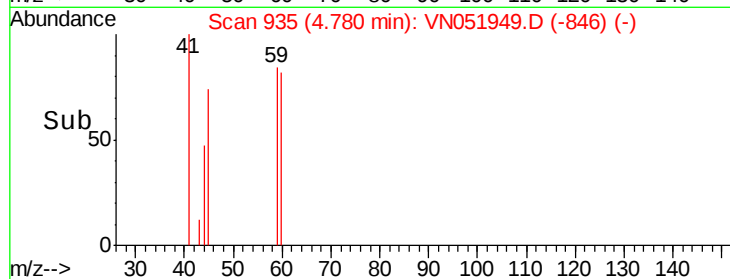
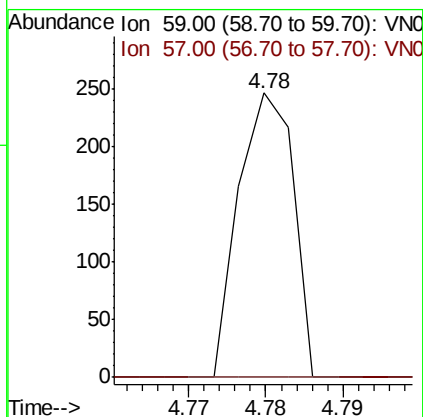
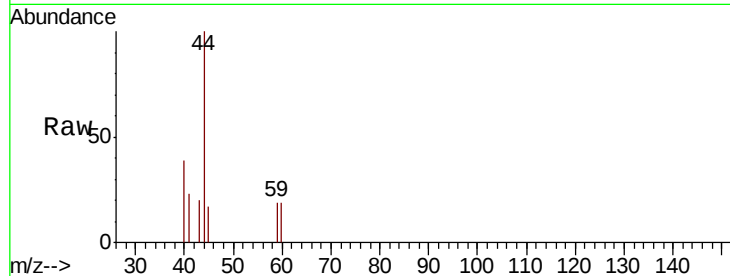




#11
Tert butyl alcohol
Concen: 0.223 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051949.D
Acq: 19 Oct 2018 15:47

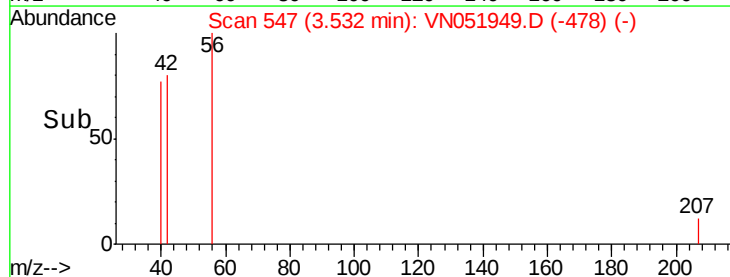
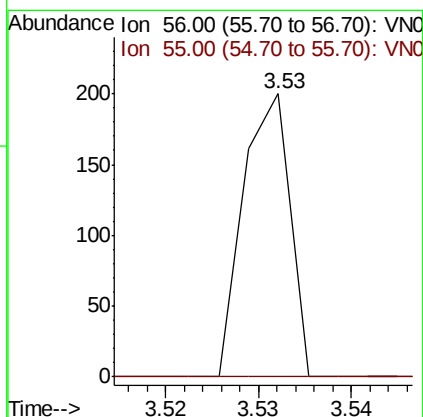
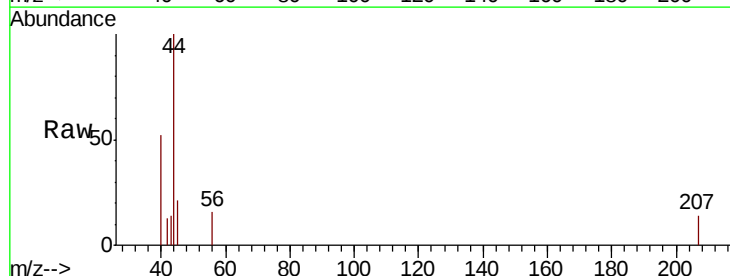
Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#10

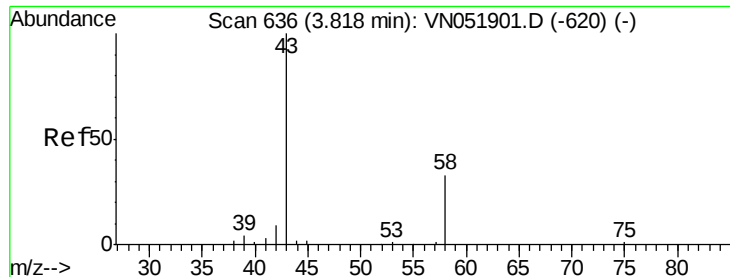
Tot Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.53 min Scan# 547
Delta R.T. -0.08 min
Lab File: VN051949.D
Acq: 19 Oct 2018 15:47

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#





#16

Acetone

Concen: 6.484 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

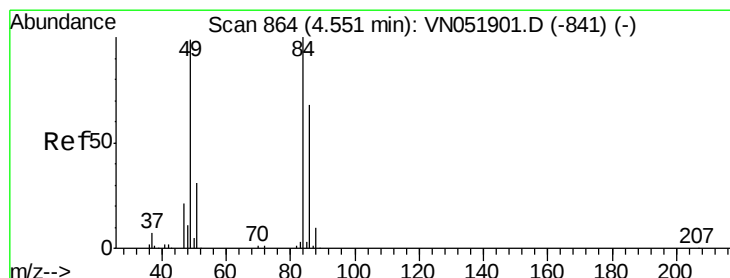
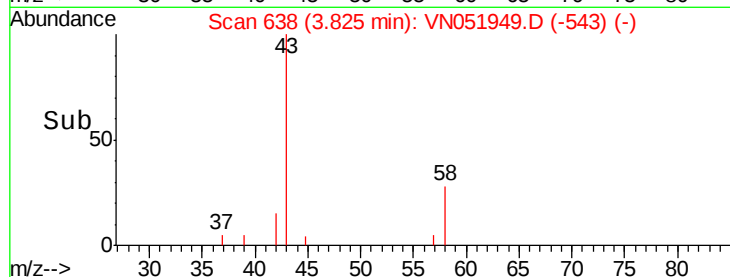
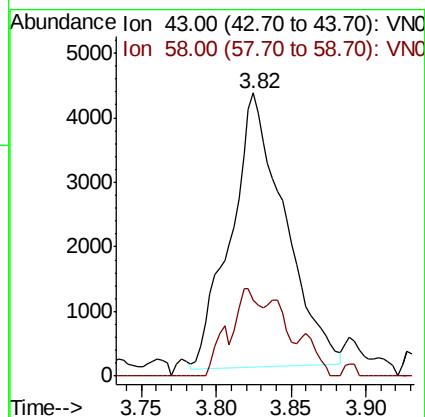
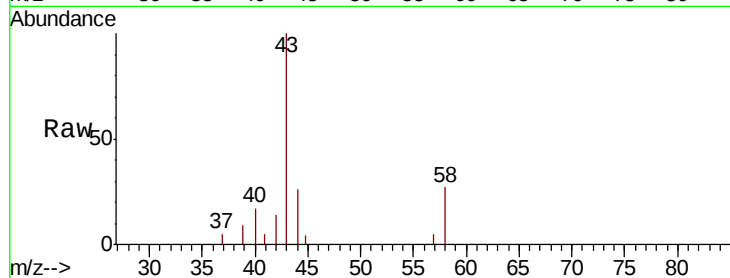
PB113937ZHE#10

Tot Ion: 43 Resp: 10648

Ion Ratio Lower Upper

43 100

58 27.9 25.9 38.9



#20

Methylene Chloride

Concen: 1.250 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Tgt Ion: 84 Resp: 10437

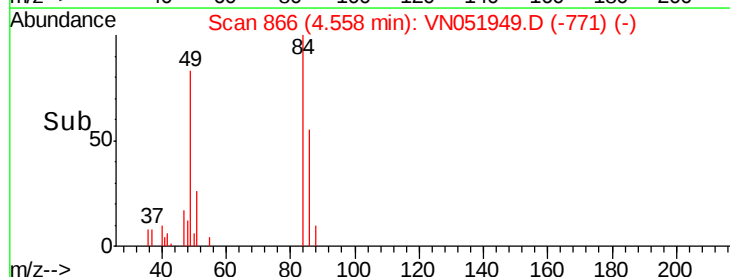
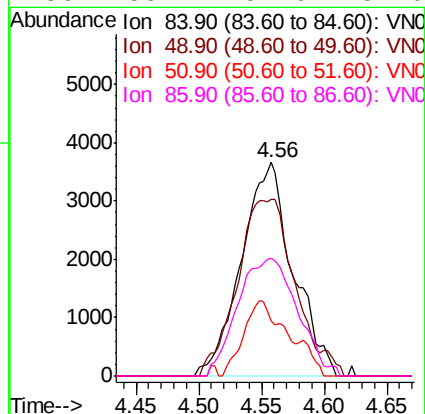
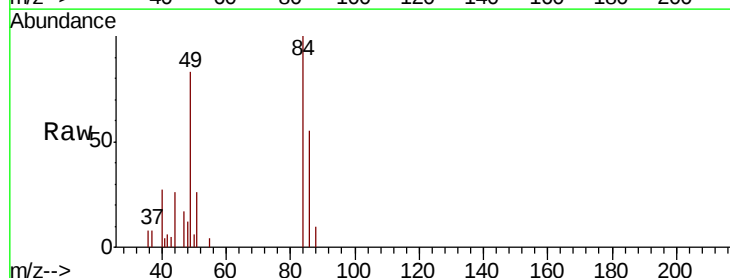
Ion Ratio Lower Upper

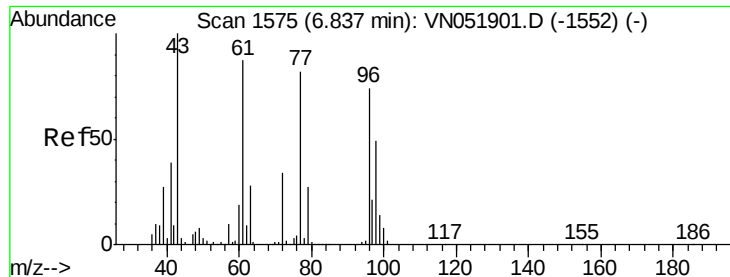
84 100

49 82.9 79.0 118.4

51 26.0 24.9 37.3

86 55.1 54.6 82.0

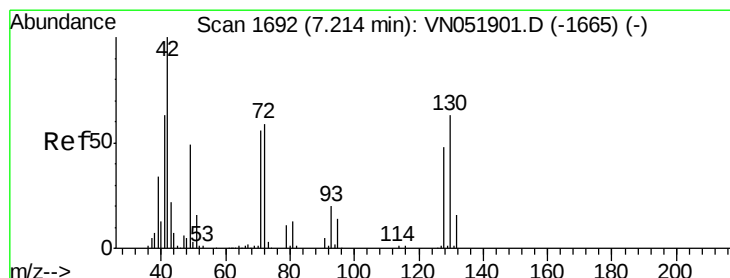
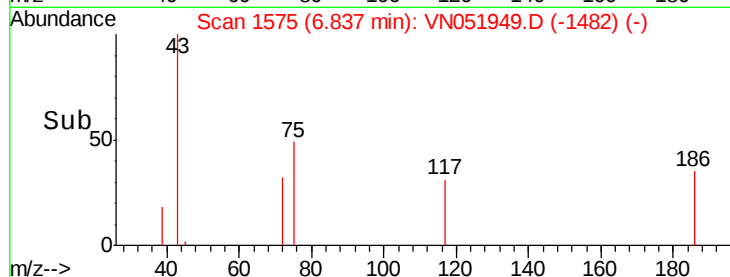
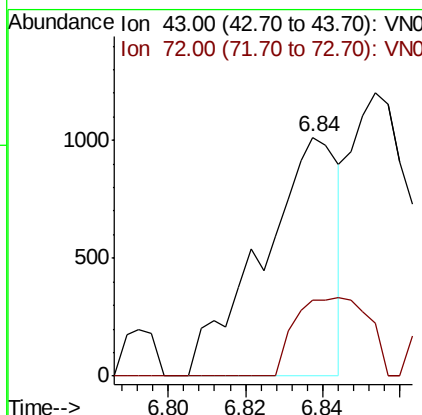
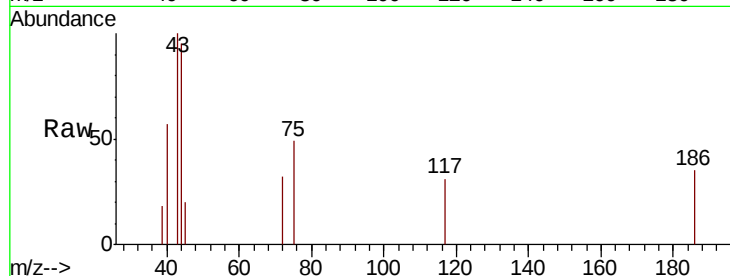




#25
 2-Butanone
 Concen: 0.588 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

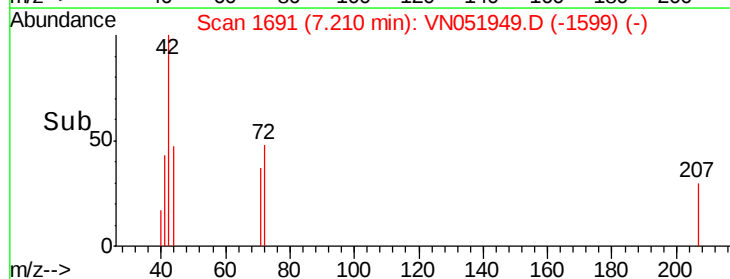
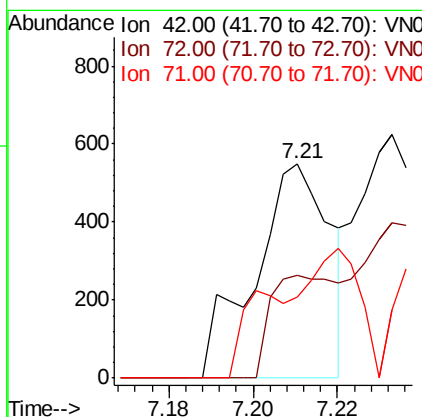
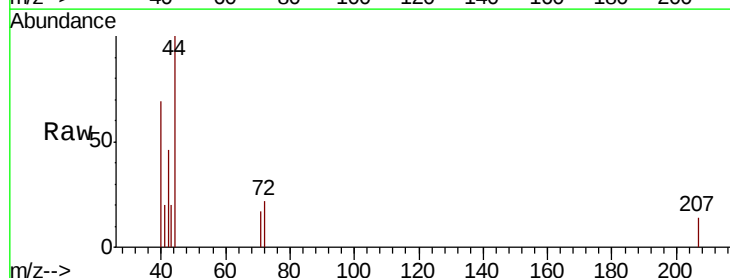
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937ZHE#10

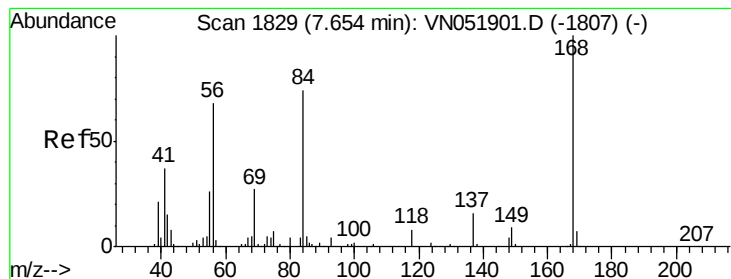
Tot Ion: 43 Resp: 1381
 Ion Ratio Lower Upper
 43 100
 72 31.6 27.0 40.6



#29
 Tetrahydrofuran
 Concen: 0.474 ug/l
 RT: 7.21 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

Tgt Ion: 42 Resp: 679
 Ion Ratio Lower Upper
 42 100
 72 41.8 47.7 71.5#
 71 22.7 45.4 68.0#





#31

Cvclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#10

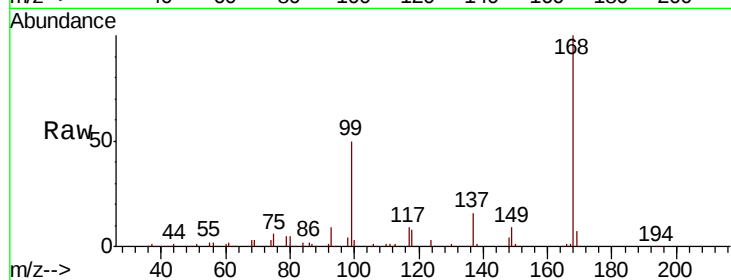
Tot Ion: 56 Resp: 15629

Ion Ratio Lower Upper

56 100

69 177.7 31.2 46.8#

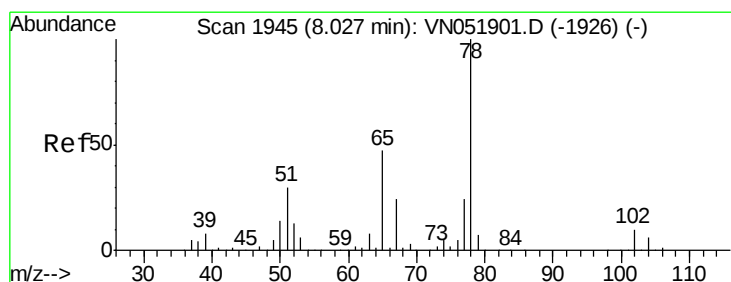
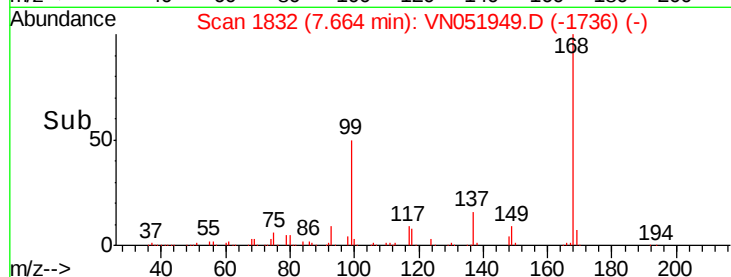
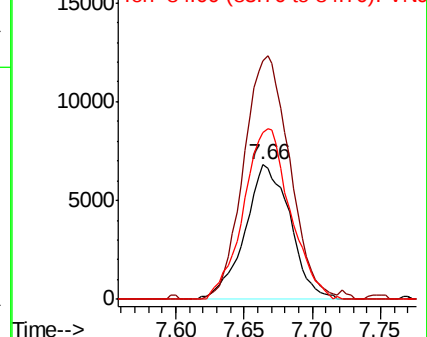
84 124.1 86.6 130.0



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051949.D

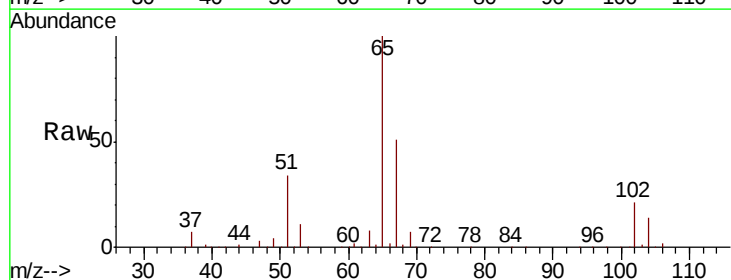
Acq: 19 Oct 2018 15:47

Tgt Ion: 65 Resp: 559843

Ion Ratio Lower Upper

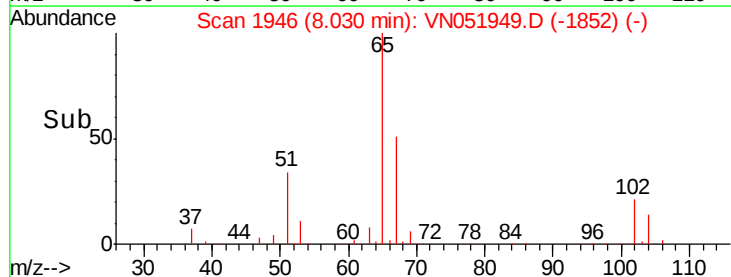
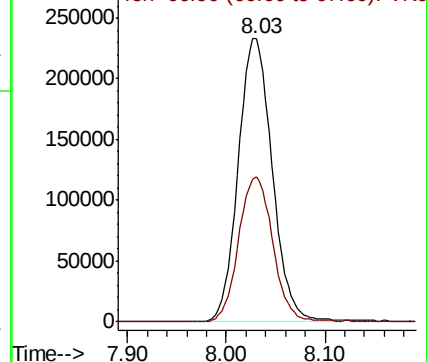
65 100

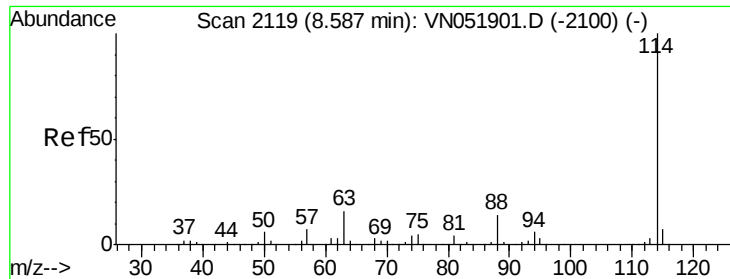
67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

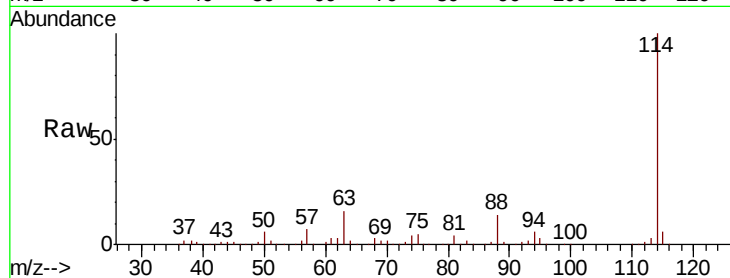




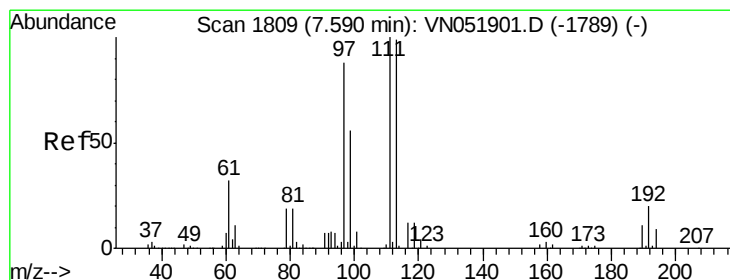
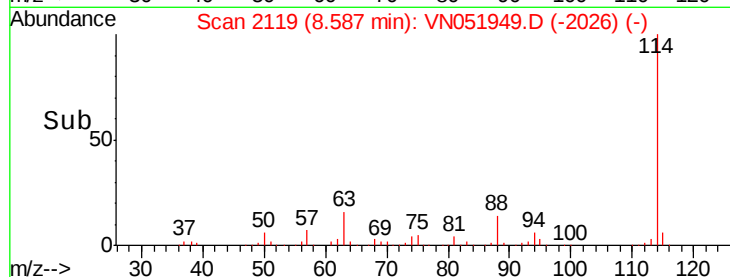
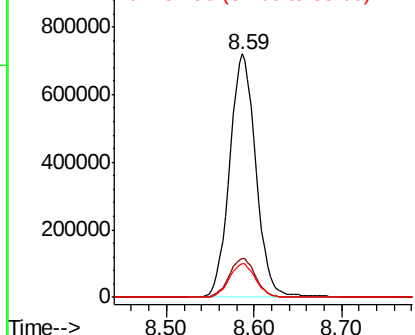
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937ZHE#10

Tot Ion:114 Resp: 1501605
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.8
 88 13.9 0.0 28.0

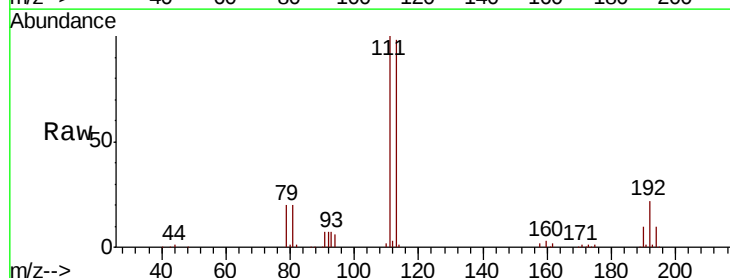


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

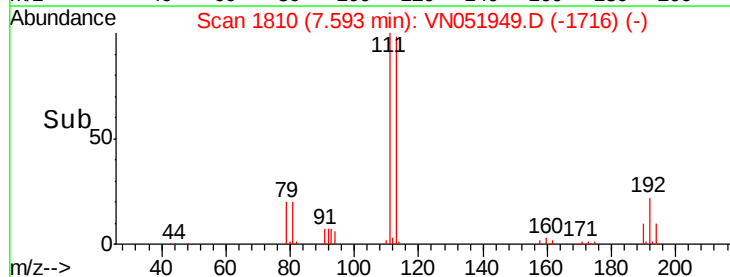
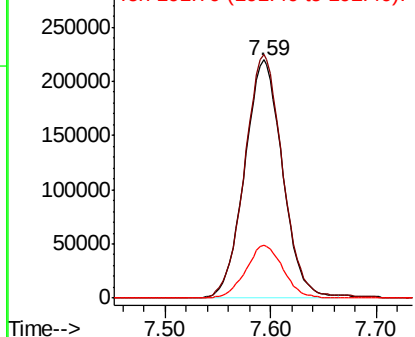


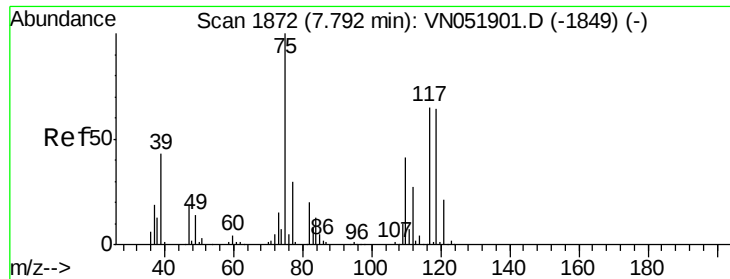
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

Tgt Ion:113 Resp: 549103
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 22.0 17.3 25.9



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: 5.315 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#10

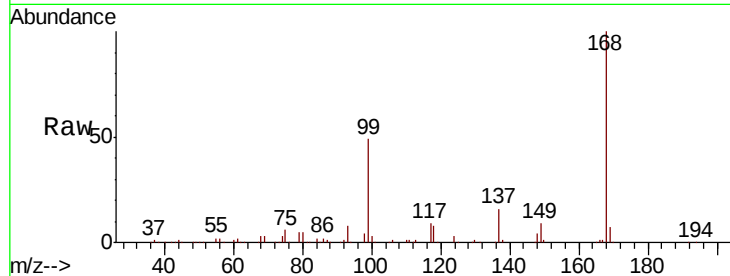
Tot Ion: 75 Resp: 61945

Ion Ratio Lower Upper

75 100

110 3.4 21.0 63.0#

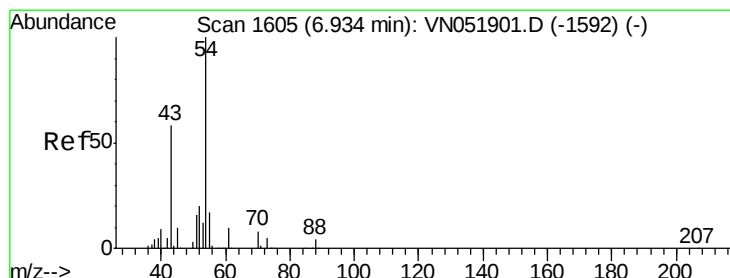
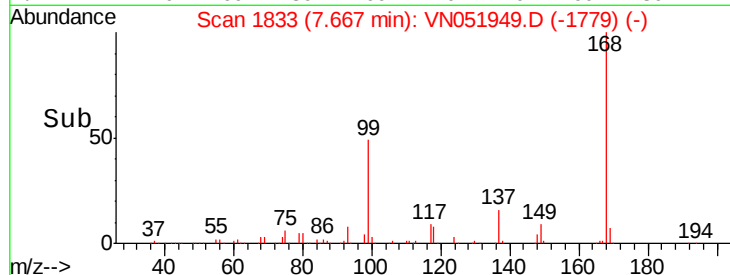
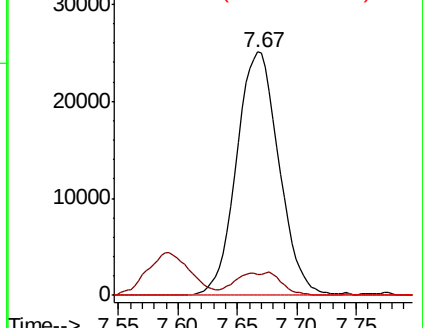
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.92 min Scan# 1600

Delta R.T. -0.02 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

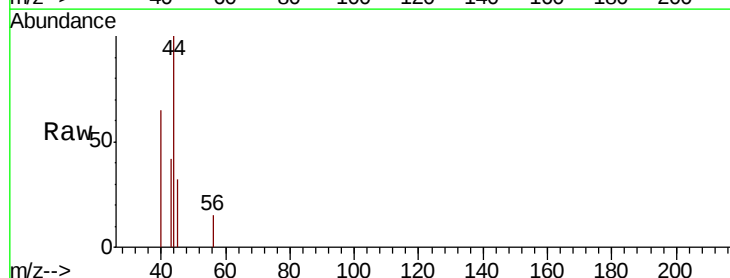
Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

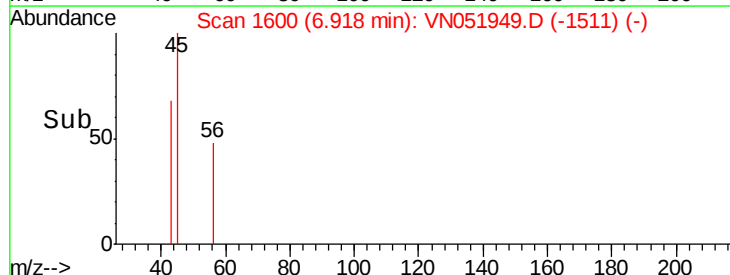
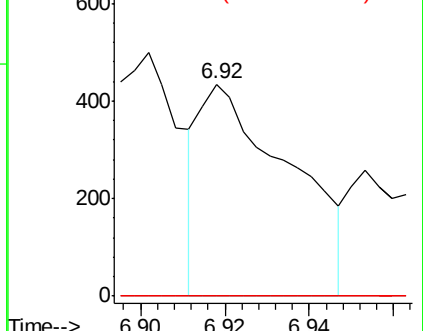
70 0.0 10.4 15.6#

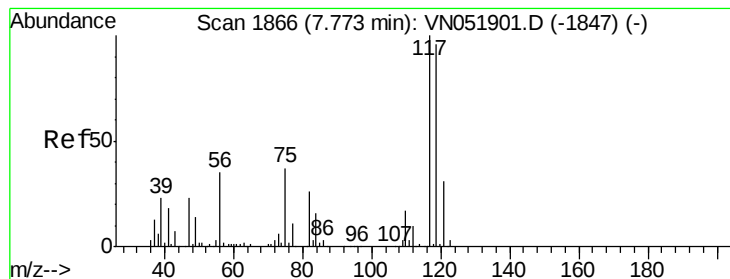


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.501 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#10

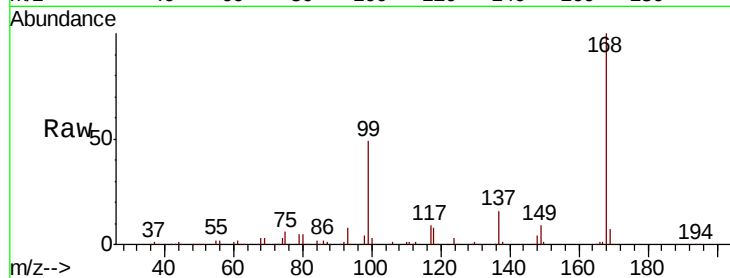
Tot Ion:117 Resp: 89228

Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.6#

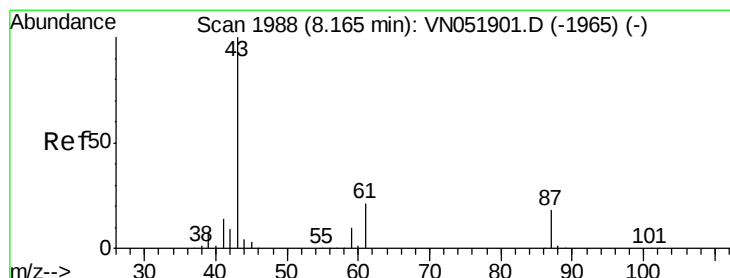
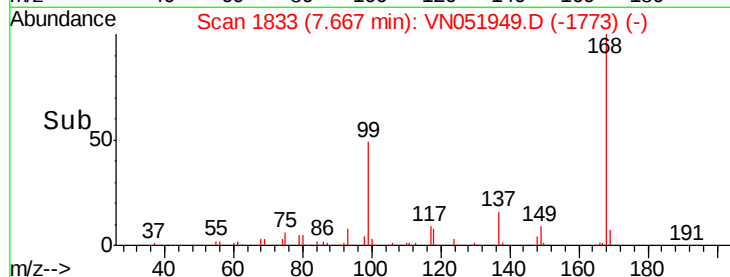
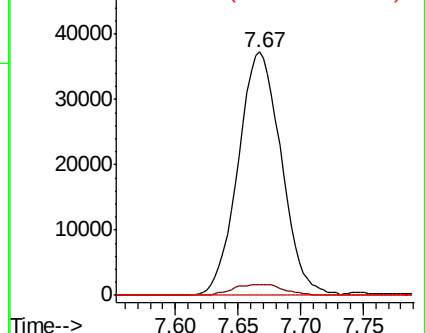
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 31.760 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

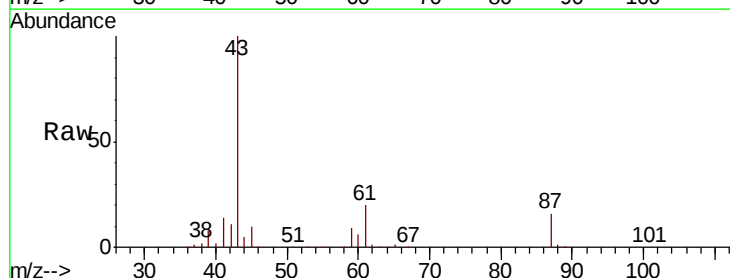
Tgt Ion: 43 Resp: 341337

Ion Ratio Lower Upper

43 100

61 18.5 24.9 37.3#

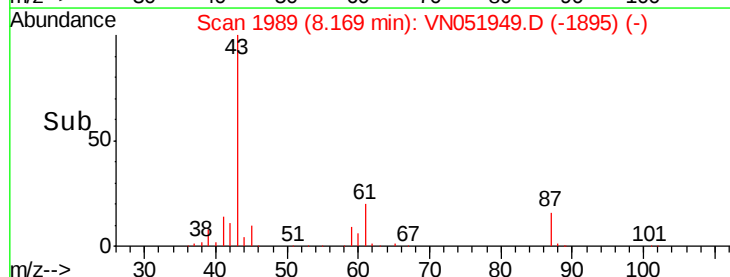
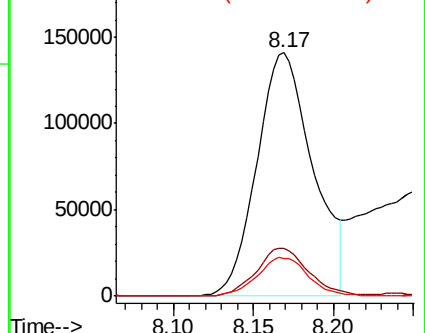
87 14.5 14.6 22.0#

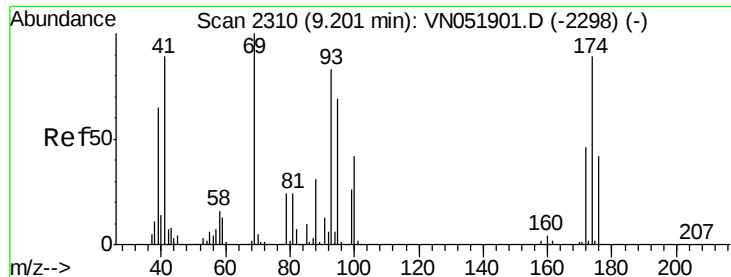


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

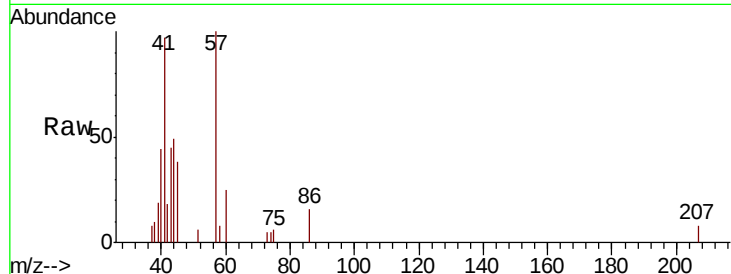




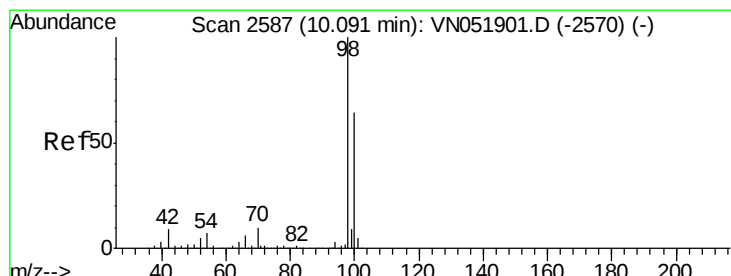
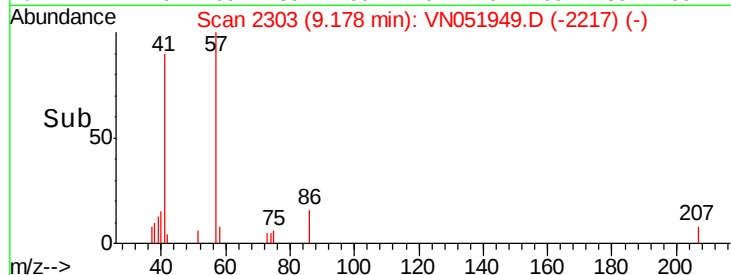
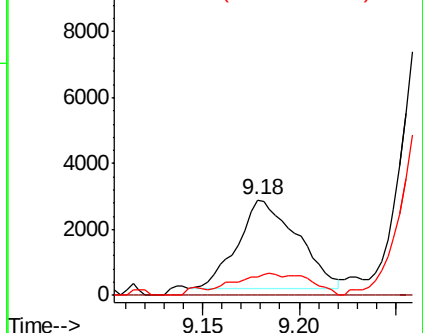
#48
Methvl methacrylate
Concen: 1.210 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN051949.D
Acq: 19 Oct 2018 15:47

Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#10

Tot Ion: 41 Resp: 5695
Ion Ratio Lower Upper
41 100
69 0.0 90.2 135.2#
39 12.2 59.7 89.5#

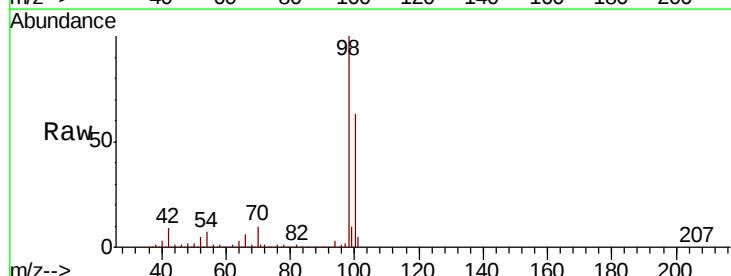


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

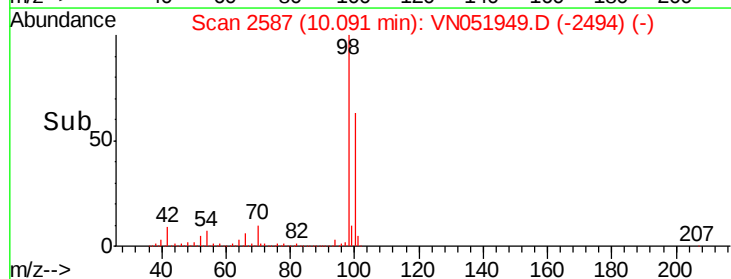
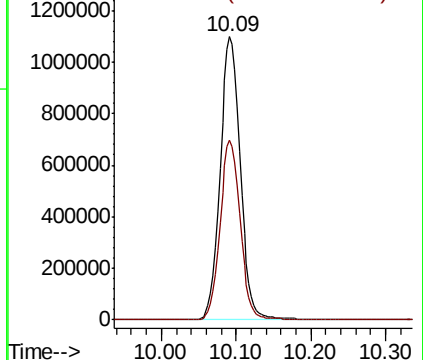


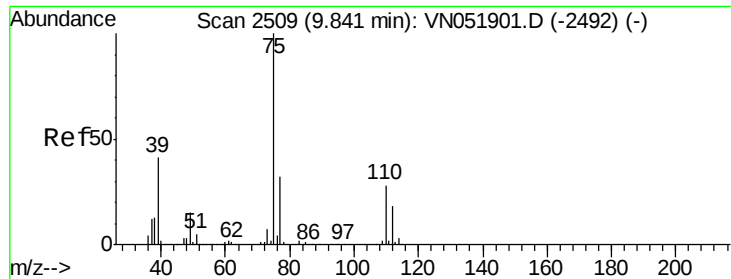
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051949.D
Acq: 19 Oct 2018 15:47

Tgt Ion: 98 Resp: 2047653
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



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

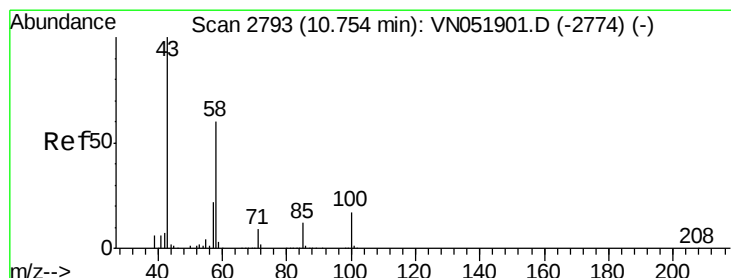
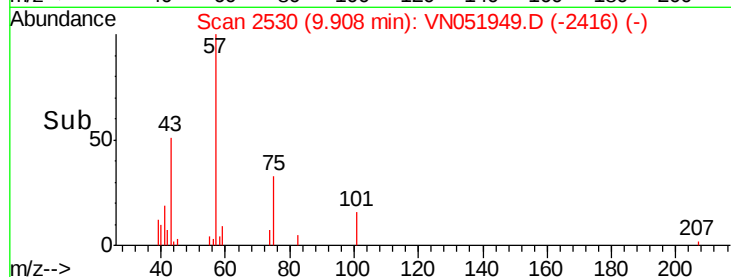
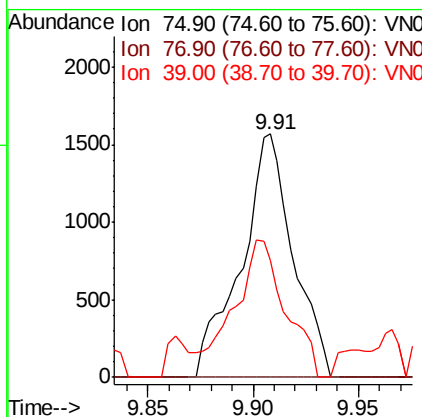
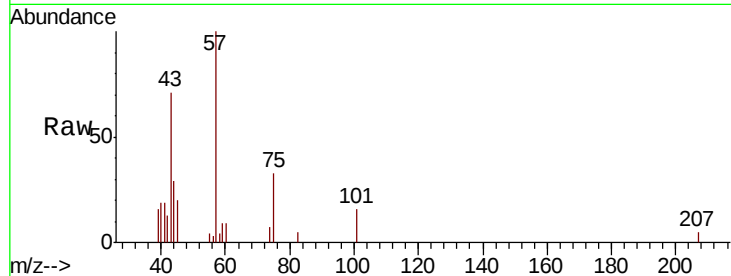




#54
 cis-1,3-Dichloropropene
 Concen: 0.213 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

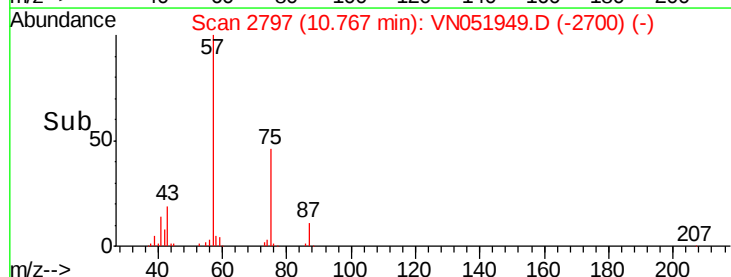
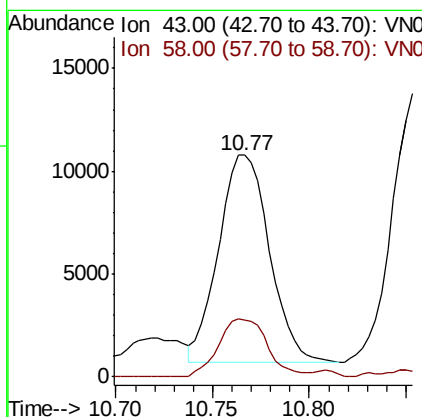
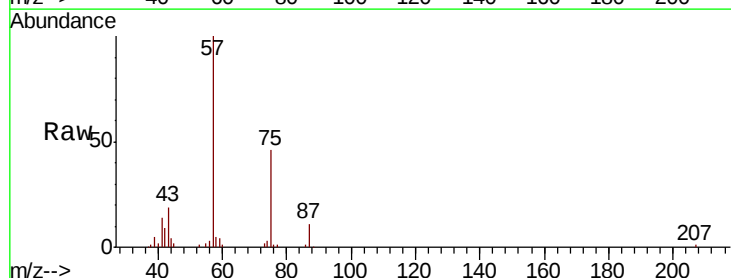
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937ZHE#10

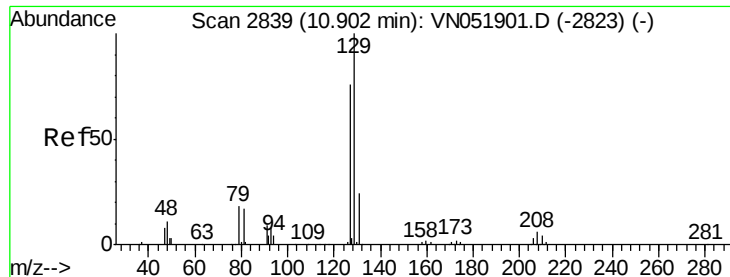
Tot Ion: 75 Resp: 2703
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 37.9 32.8 49.2



#59
 2-Hexanone
 Concen: 5.055 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

Tgt Ion: 43 Resp: 18390
 Ion Ratio Lower Upper
 43 100
 58 27.0 29.8 89.5#





#60

Dibromochloromethane

Concen: 2.056 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

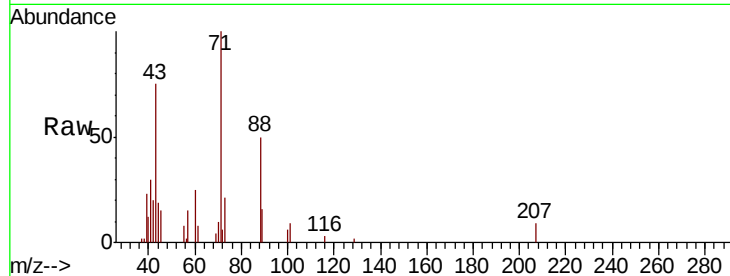
PB113937ZHE#10

Tot Ion:129 Resp: 60

Ion Ratio Lower Upper

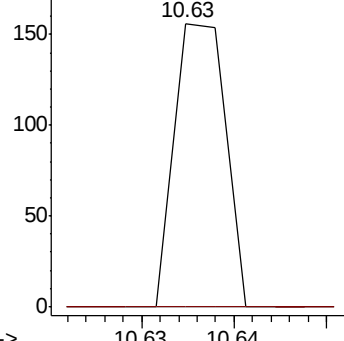
129 100

127 0.0 38.3 114.8#

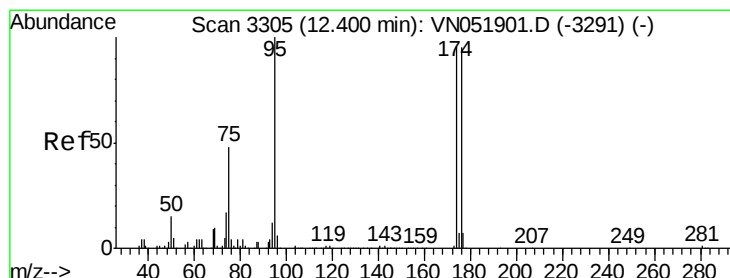
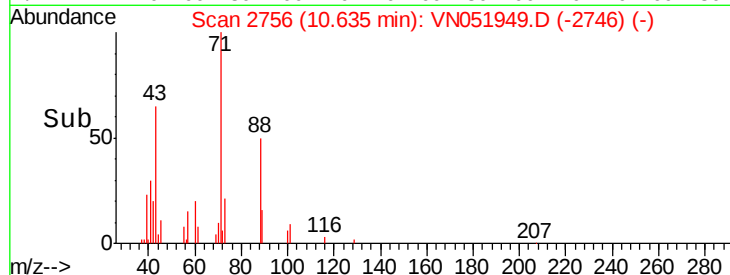


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

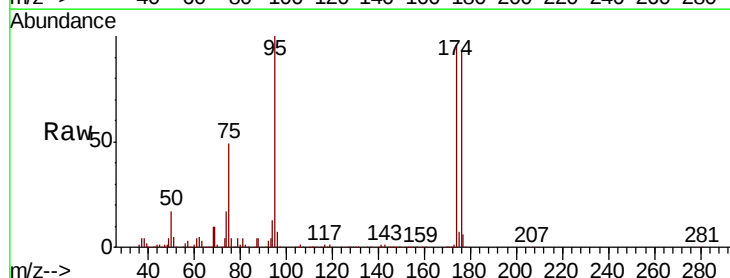
Tgt Ion: 95 Resp: 585494

Ion Ratio Lower Upper

95 100

174 96.8 0.0 195.0

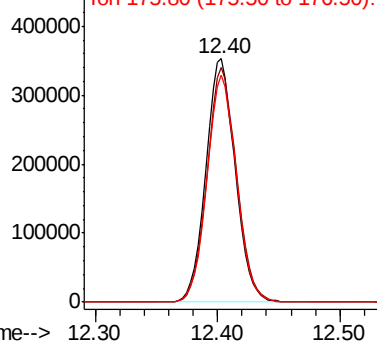
176 93.5 0.0 191.4



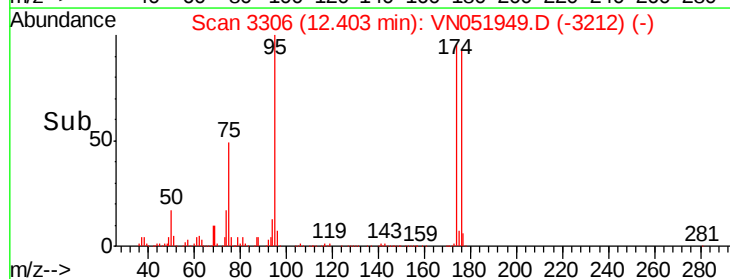
Abundance Ion 94.90 (94.60 to 95.60): V

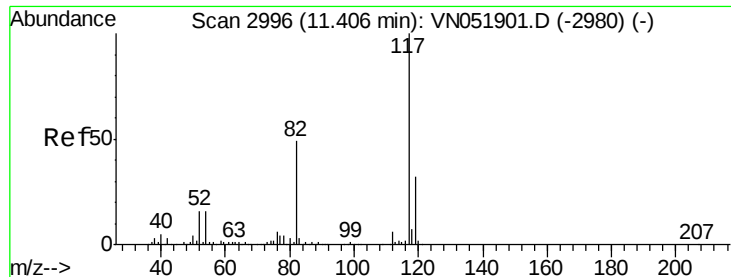
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

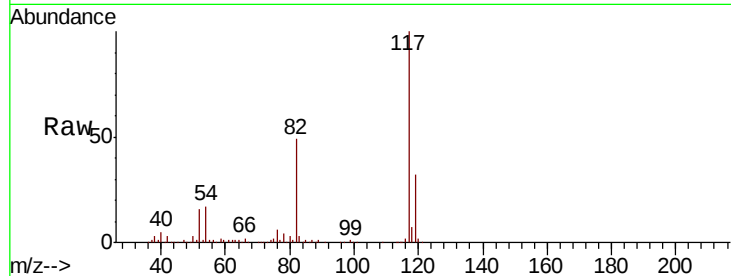




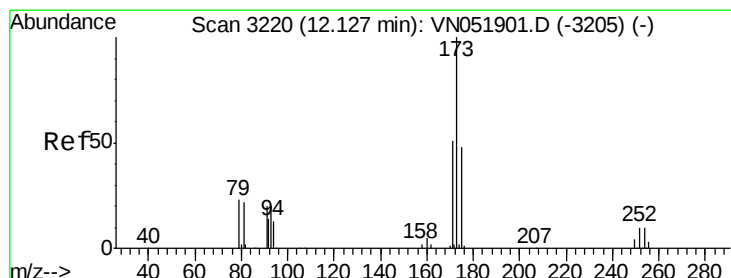
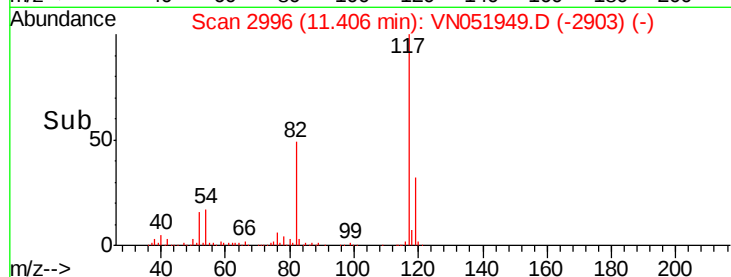
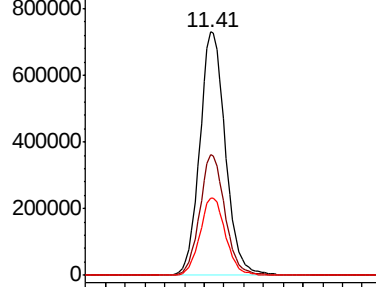
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051949.D
Acq: 19 Oct 2018 15:47

Instrument :
MSVOA_N
ClientSampleId :
PB113937ZHE#10

Tot Ion:117 Resp: 1324084
Ion Ratio Lower Upper
117 100
82 49.3 38.9 58.3
119 31.8 25.9 38.9

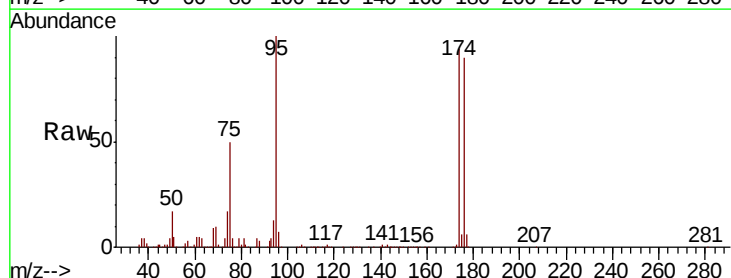


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

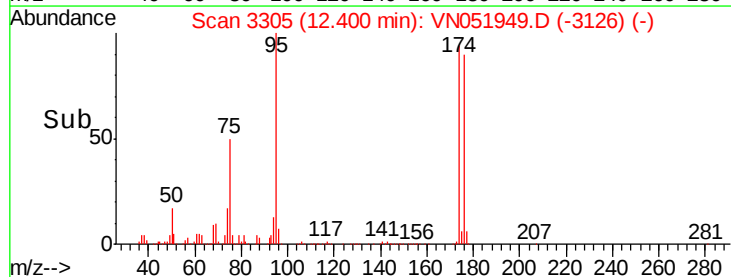
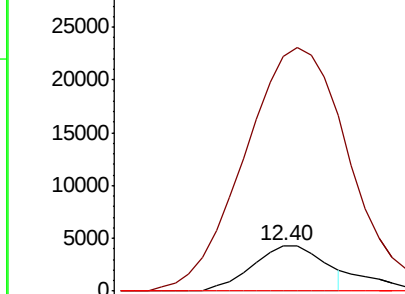


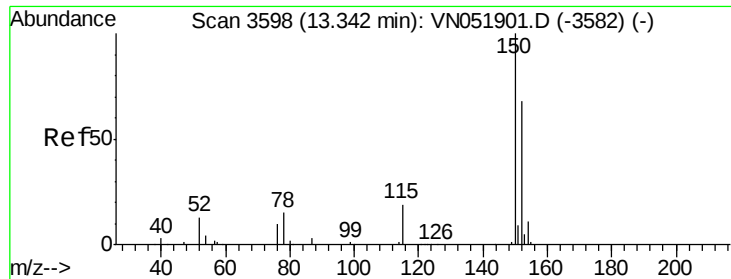
#71
Bromoform
Concen: 3.874 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051949.D
Acq: 19 Oct 2018 15:47

Tgt Ion:173 Resp: 5072
Ion Ratio Lower Upper
173 100
175 661.3 24.0 72.0#
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: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#10

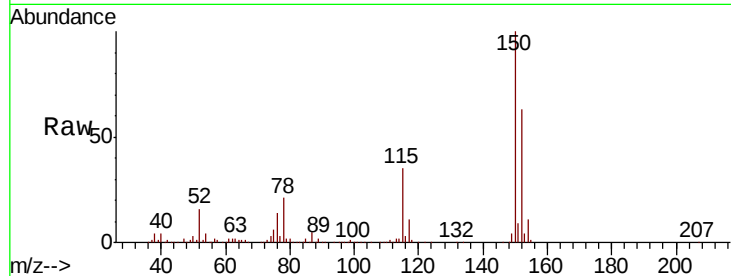
Tot Ion:152 Resp: 475957

Ion Ratio Lower Upper

152 100

115 54.3 26.7 80.1

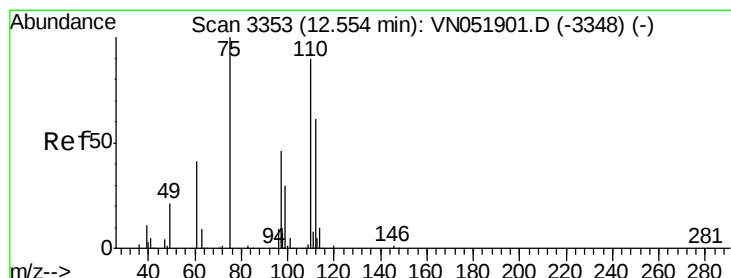
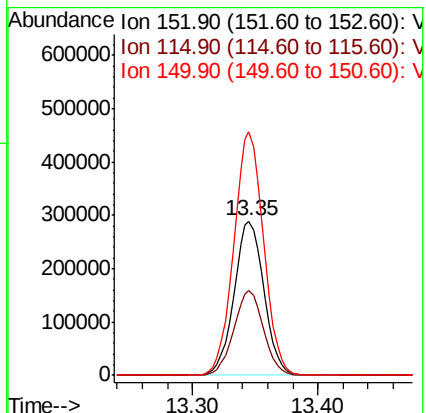
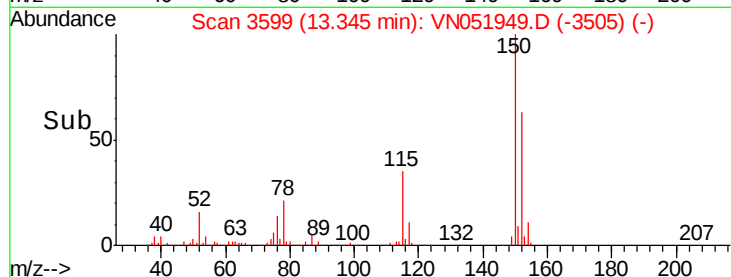
150 157.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 50.301 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051949.D

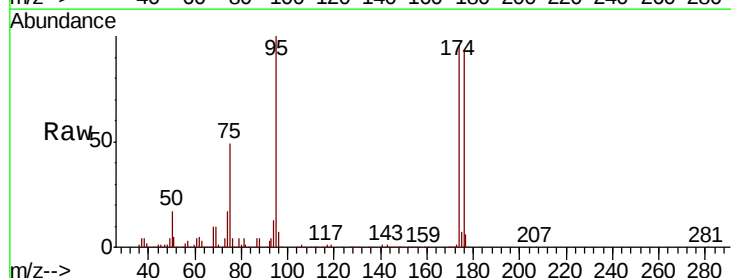
Acq: 19 Oct 2018 15:47

Tgt Ion: 75 Resp: 290993

Ion Ratio Lower Upper

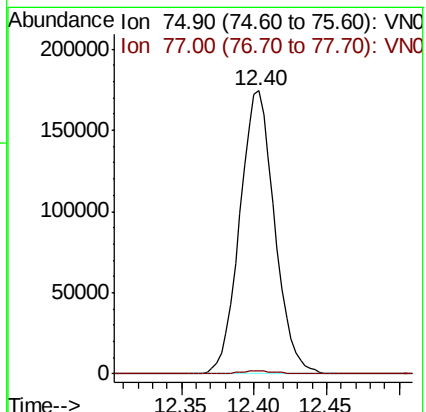
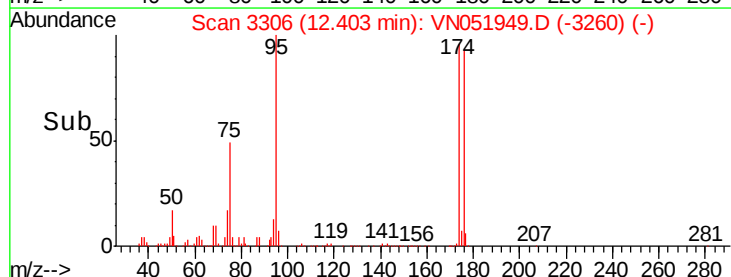
75 100

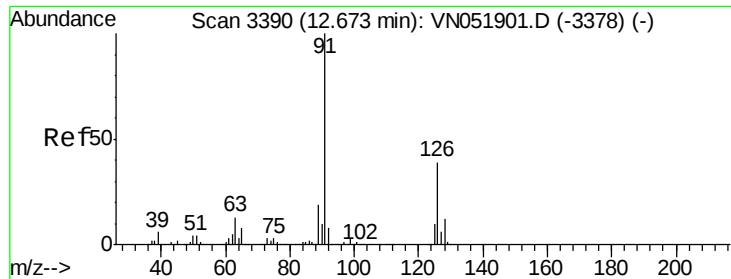
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

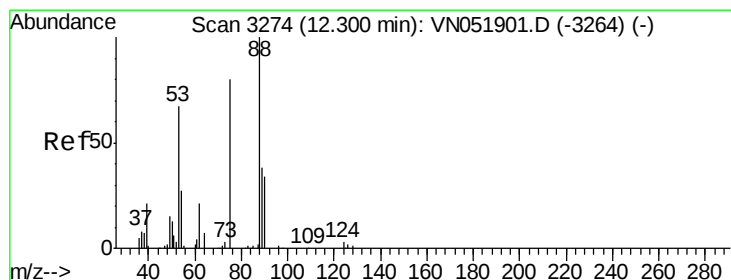
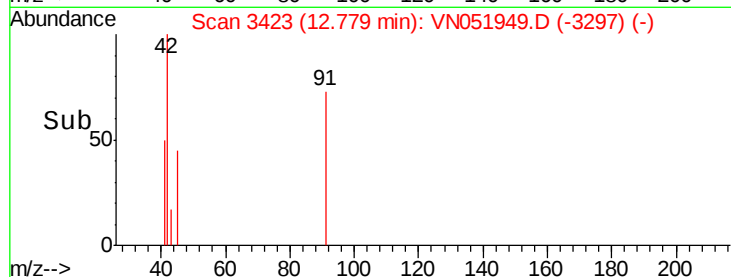
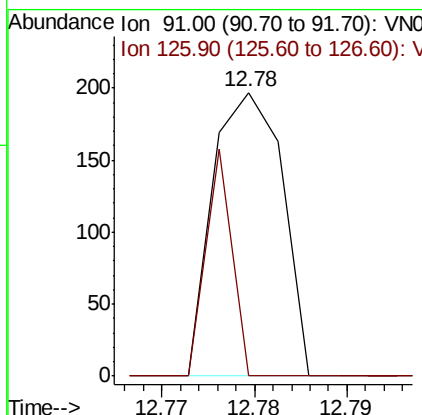
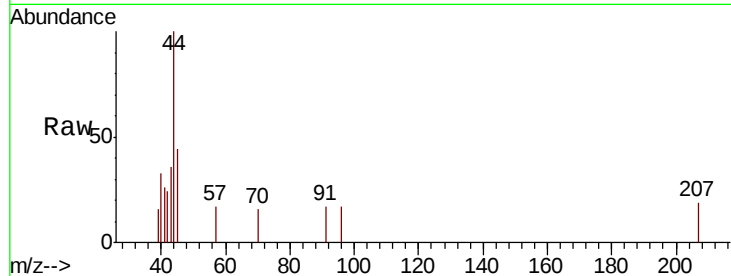




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.78 min Scan# 3423
 Delta R.T. 0.11 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

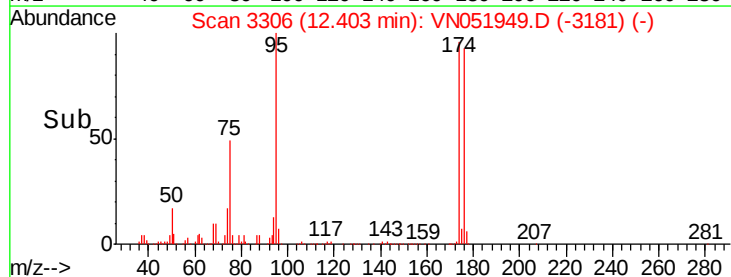
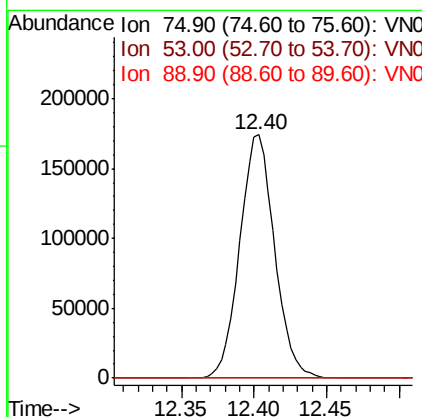
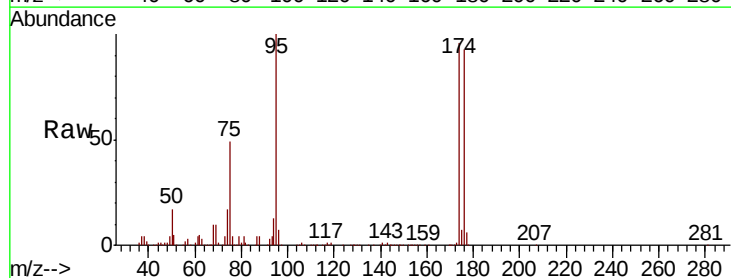
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113937ZHE#10

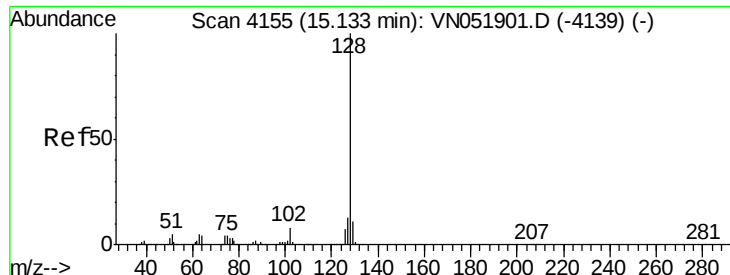
Tot Ion: 91 Resp: 102
 Ion Ratio Lower Upper
 91 100
 126 29.4 19.6 58.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 165.300 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051949.D
 Acq: 19 Oct 2018 15:47

Tgt Ion: 75 Resp: 290993
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.5 102.7#
 89 0.0 39.0 58.6#





#95

Naphthalene

Concen: 4.092 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051949.D

Acq: 19 Oct 2018 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB113937ZHE#10

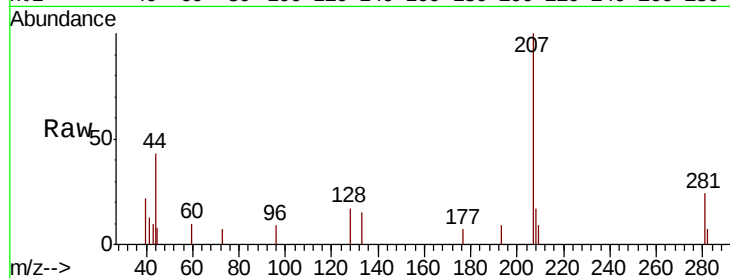
Tot Ion:128 Resp: 516

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.5 12.7#



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

