

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051439.D
 Acq On : 24 Sep 2018 2:38
 Operator : MD\SY
 Sample : PB113124ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#10

Quant Time: Sep 24 06:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	776158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261163	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	418838	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
35) Dibromofluoromethane	7.59	113	374600	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1313838	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
62) 4-Bromofluorobenzene	12.40	95	344570	36.85	ug/l	0.00
Spiked Amount			Recovery	=	73.70%	

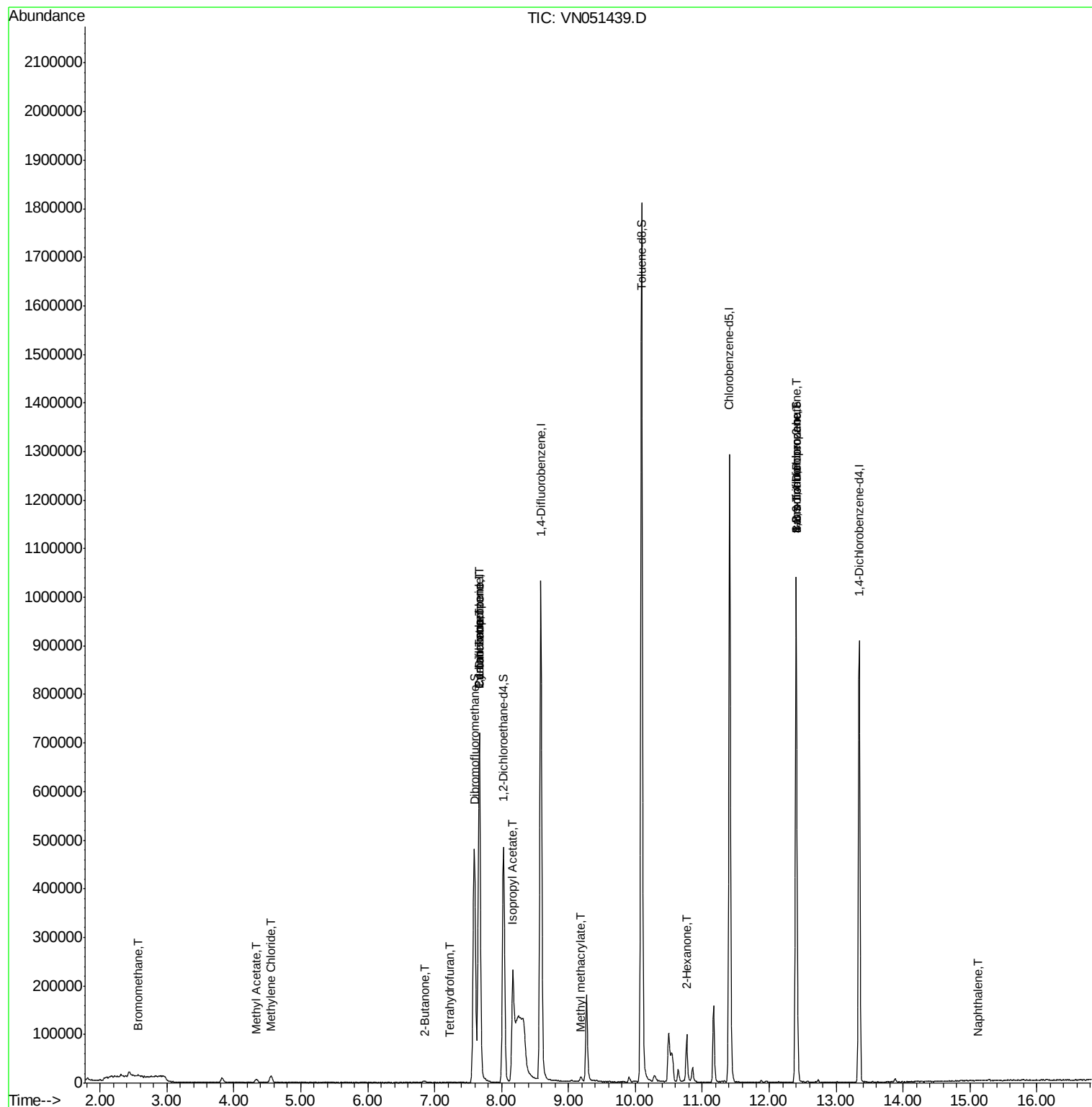
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1413	0.296	ug/l #	67
16) Acetone	3.82	43	17737	Below Cal		98
18) Methyl Acetate	4.34	43	13622	2.349	ug/l	99
20) Methylene Chloride	4.55	84	9362	1.242	ug/l #	87
25) 2-Butanone	6.84	43	1777	0.682	ug/l #	84
29) Tetrahydrofuran	7.22	42	797	0.483	ug/l #	51
31) Cyclohexane	7.66	56	11266	0.940	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42759	3.846	ug/l #	48
38) Carbon Tetrachloride	7.67	117	55673	4.788	ug/l #	17
43) Isopropyl Acetate	8.17	43	293422	25.388	ug/l #	90
48) Methyl methacrylate	9.18	41	5913	1.026	ug/l #	22
59) 2-Hexanone	10.77	43	14762	3.583	ug/l #	56
71) Bromoform	12.40	173	1600	0.311	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	167990	38.748	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	167990	119.147	ug/l #	13
95) Naphthalene	15.14	128	133	8.056	ug/l #	69

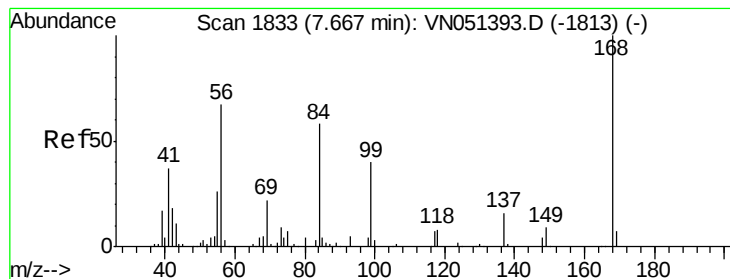
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

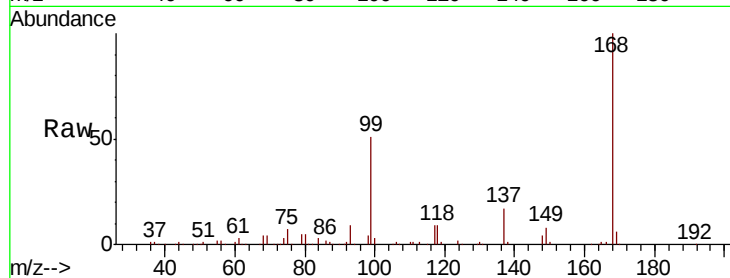
PB113124ZHE#10

Tgt Ion:168 Resp: 607851

Ion Ratio Lower Upper

168 100

99 50.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051439.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051439.D (-1740) (-)

7.67

250000

200000

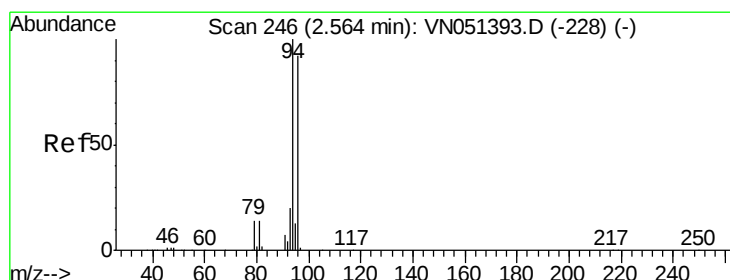
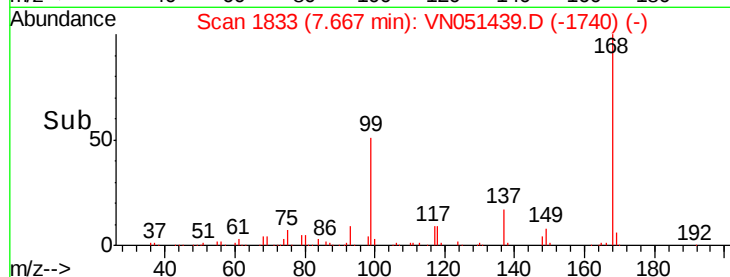
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.296 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051439.D

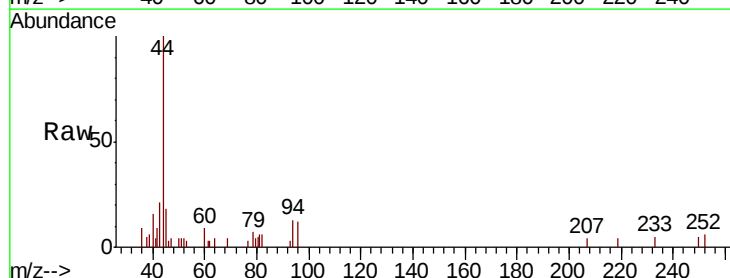
Acq: 24 Sep 2018 2:38

Tgt Ion: 94 Resp: 1413

Ion Ratio Lower Upper

94 100

96 60.3 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051439.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051439.D (-153) (-)

2.57

800

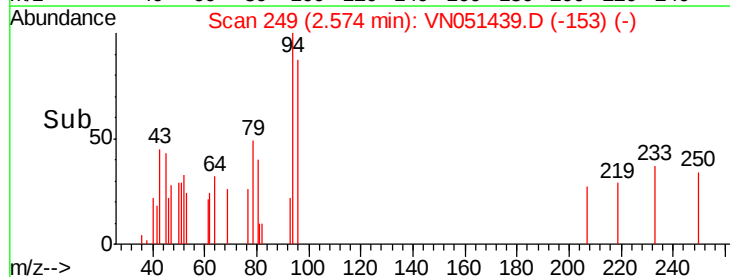
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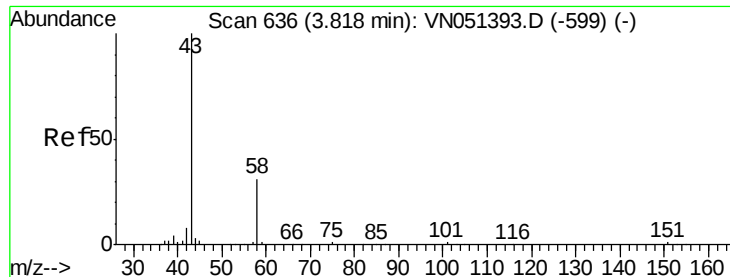
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

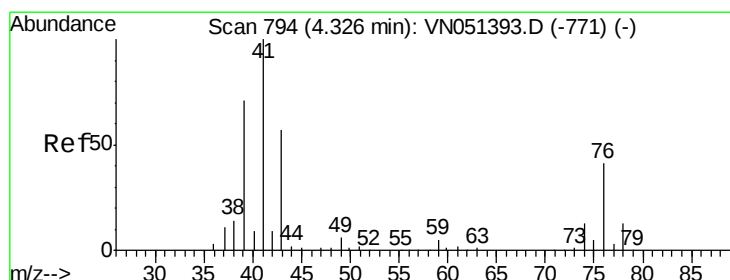
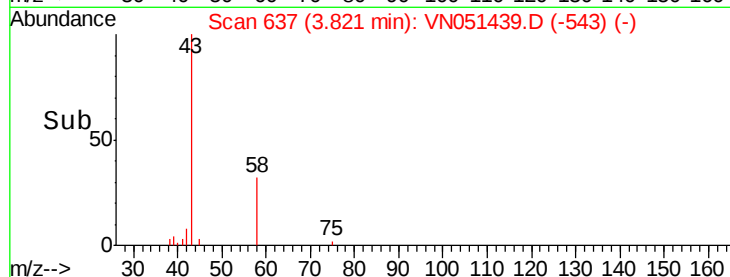
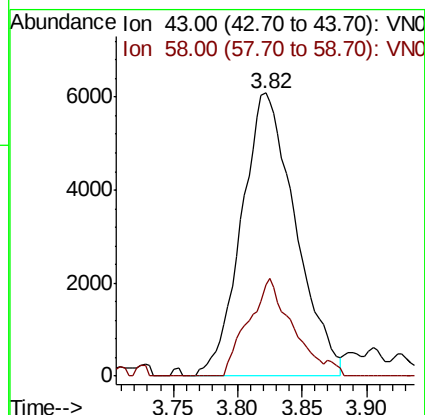
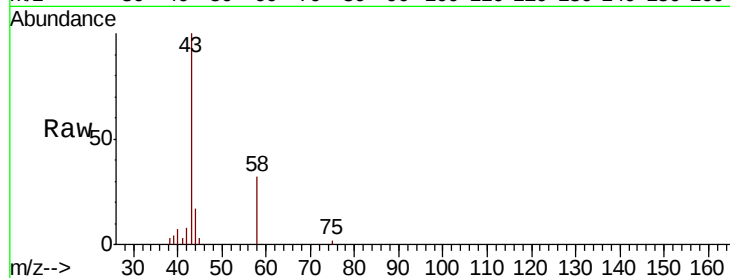
PB113124ZHE#10

Tgt Ion: 43 Resp: 17737

Ion Ratio Lower Upper

43 100

58 32.1 25.0 37.4



#18

Methyl Acetate

Concen: 2.349 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051439.D

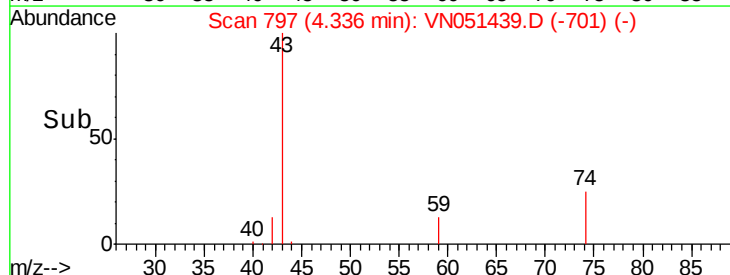
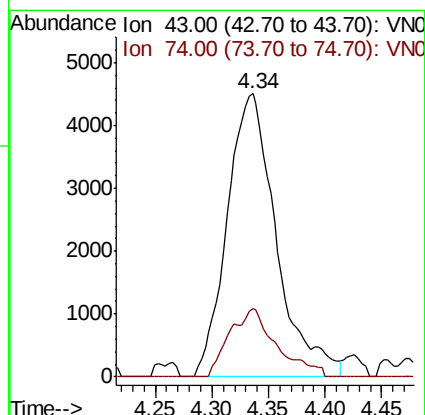
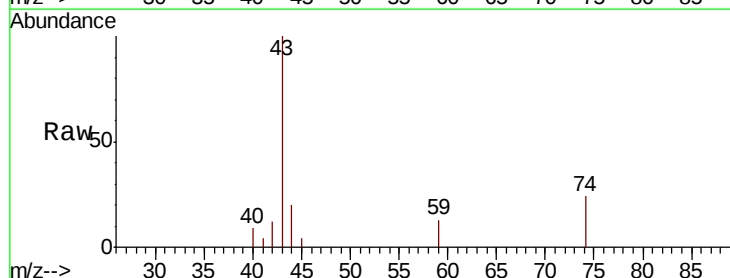
Acq: 24 Sep 2018 2:38

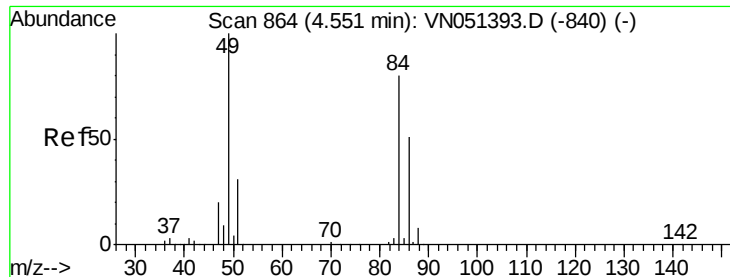
Tgt Ion: 43 Resp: 13622

Ion Ratio Lower Upper

43 100

74 23.1 18.8 28.2

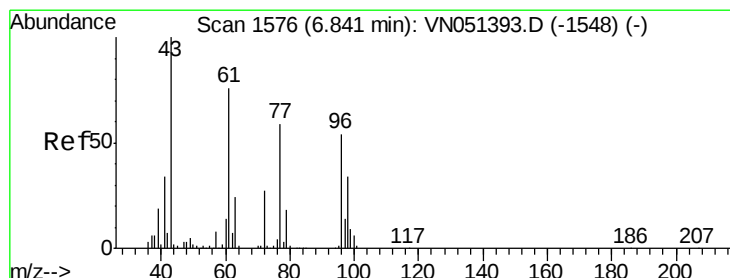
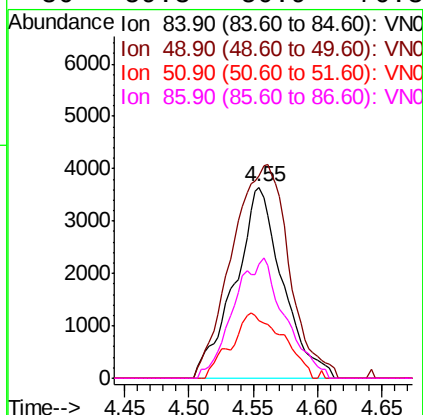
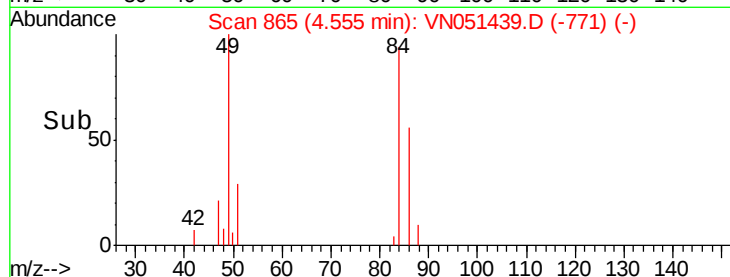
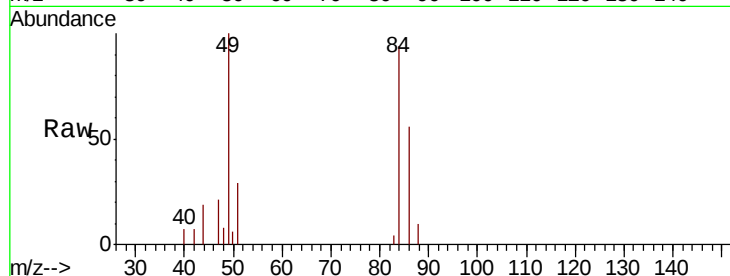




#20
Methylene Chloride
Concen: 1.242 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

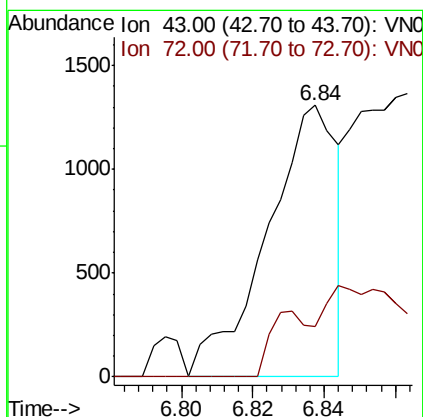
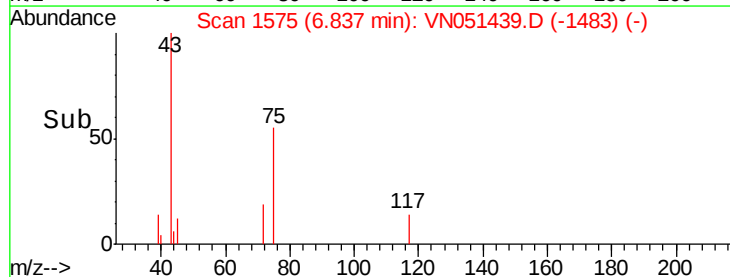
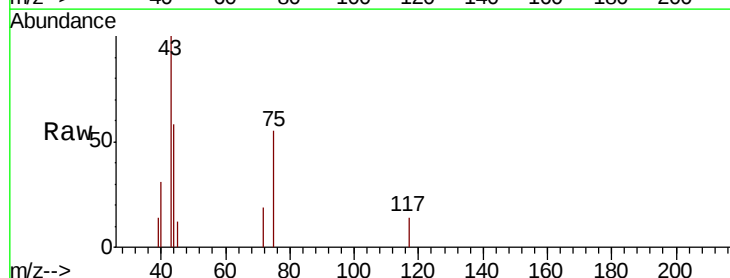
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#10

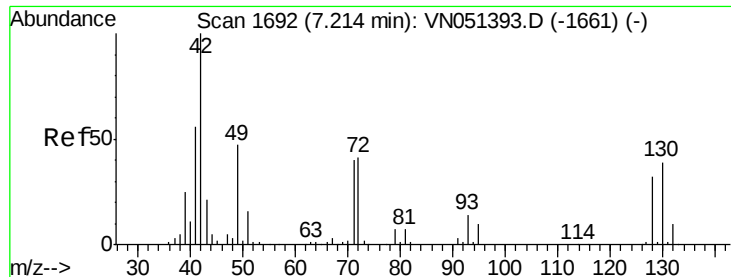
Tgt Ion: 84 Resp: 9362
Ion Ratio Lower Upper
84 100
49 106.0 99.9 149.9
51 30.4 31.4 47.2#
86 59.3 50.9 76.3



#25
2-Butanone
Concen: 0.682 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
72 18.8 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.483 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#10

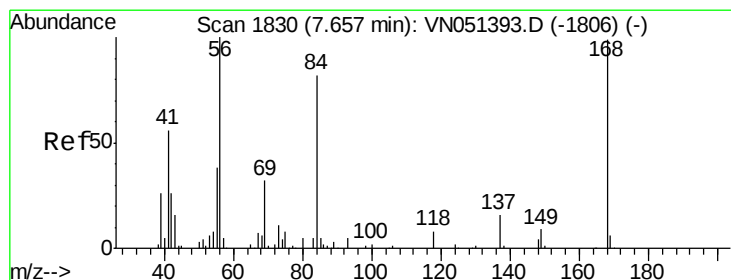
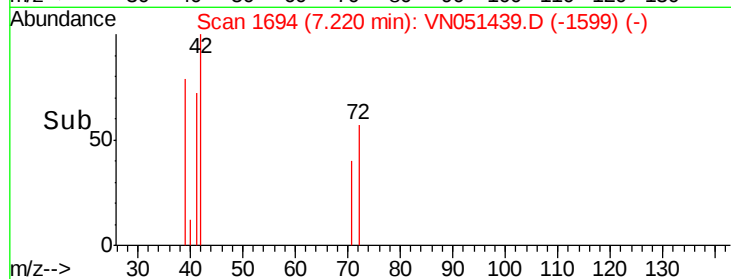
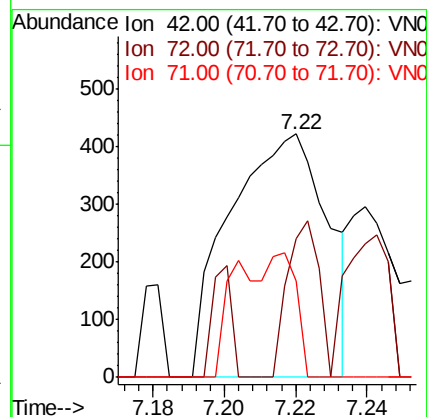
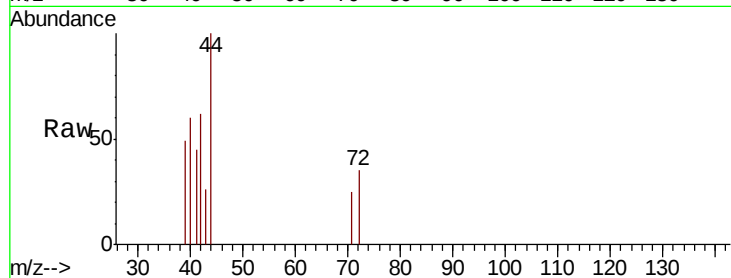
Tgt Ion: 42 Resp: 797

Ion Ratio Lower Upper

42 100

72 20.8 34.3 51.5#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 0.940 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

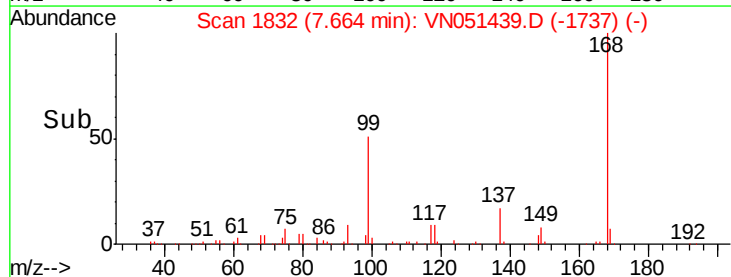
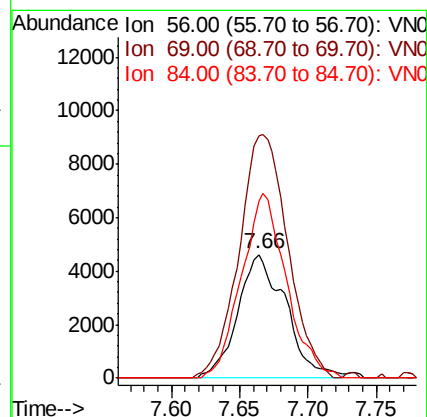
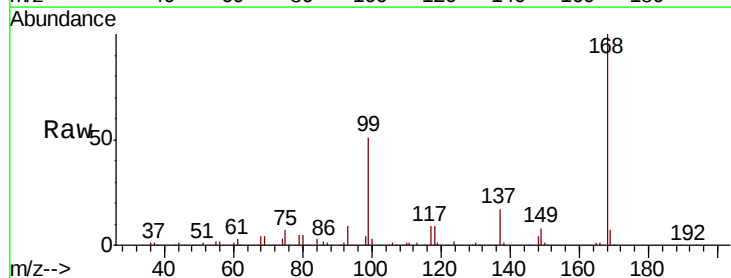
Tgt Ion: 56 Resp: 11266

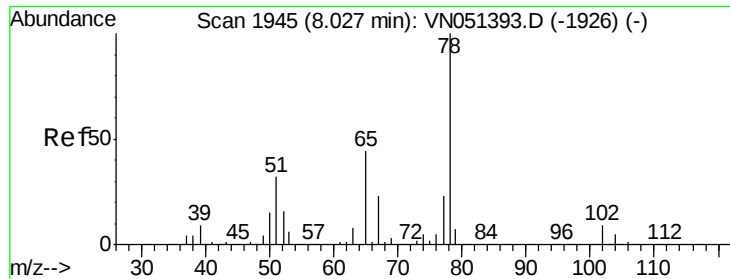
Ion Ratio Lower Upper

56 100

69 195.6 25.8 38.6#

84 142.7 66.0 99.0#

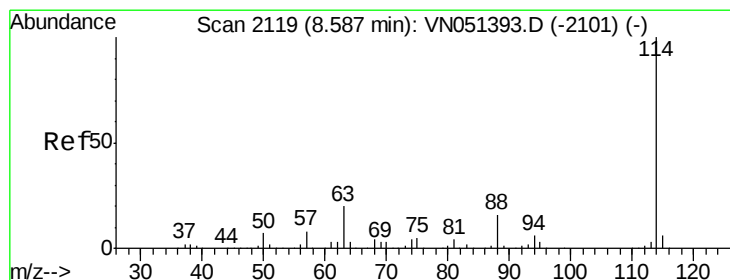
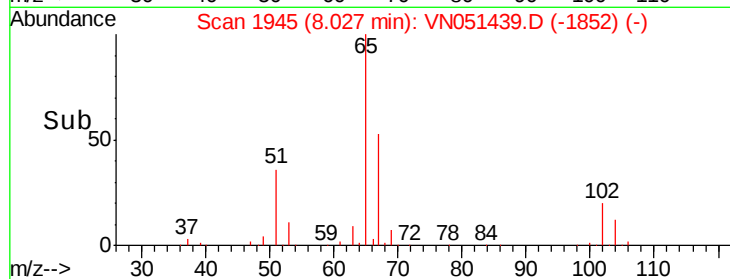
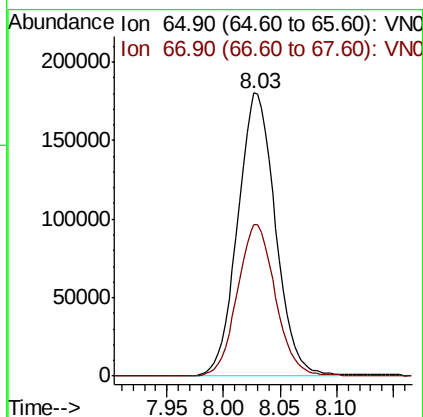
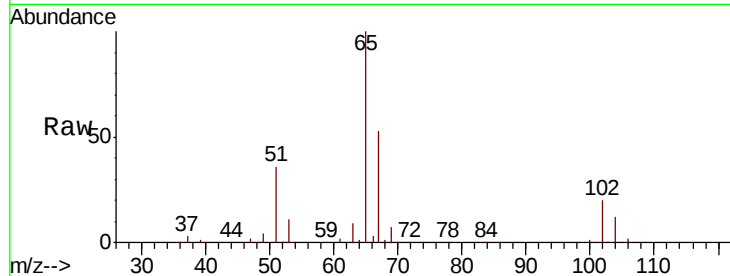




#33
 1,2-Dichloroethane-d4
 Concen: 55.006 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051439.D
 Acq: 24 Sep 2018 2:38

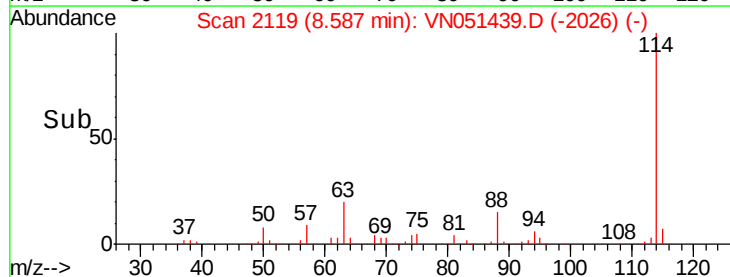
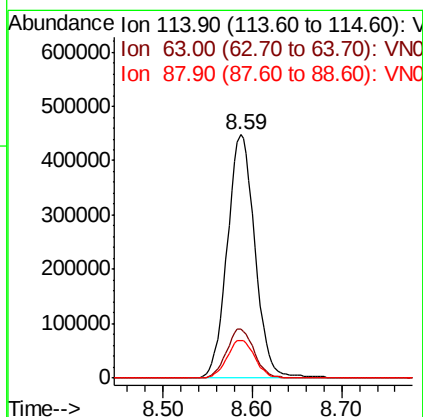
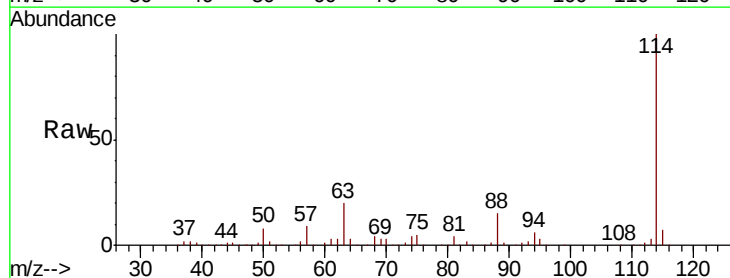
Instrument :
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 PB113124ZHE#10

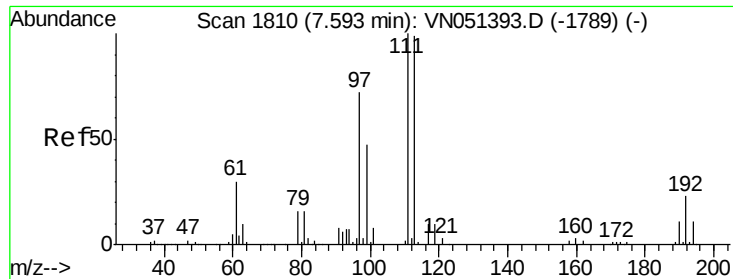
Tgt Ion: 65 Resp: 418838
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051439.D
 Acq: 24 Sep 2018 2:38

Tgt Ion: 114 Resp: 959959
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 15.5 0.0 31.4

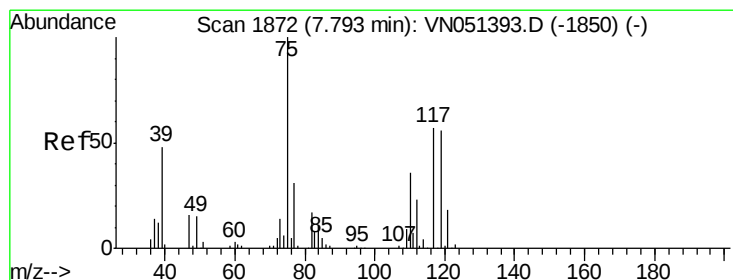
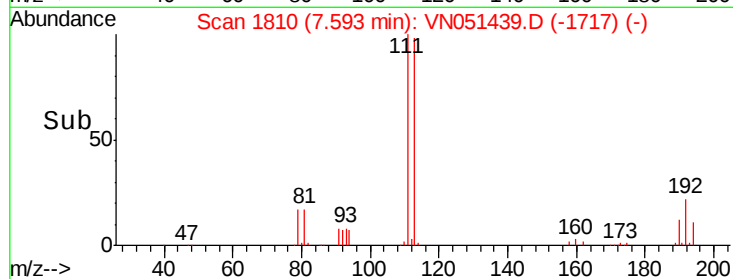
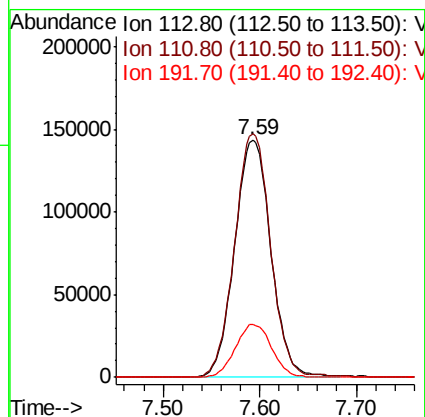
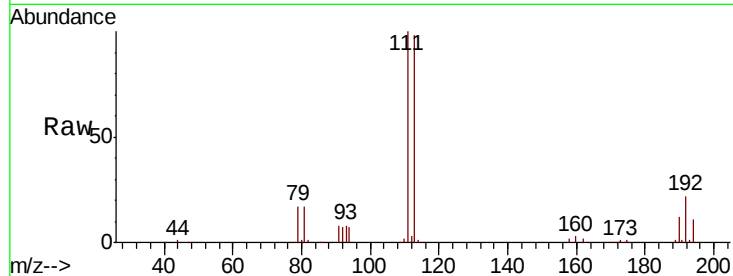




#35
 Dibromofluoromethane
 Concen: 48.799 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051439.D
 Acq: 24 Sep 2018 2:38

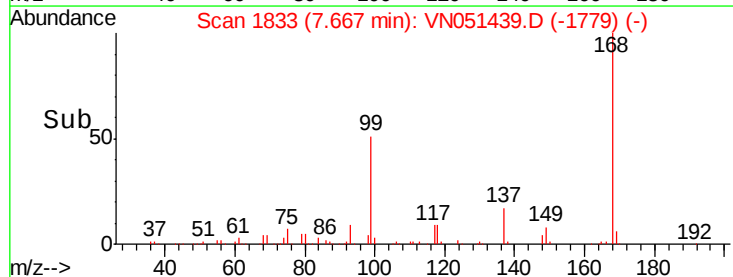
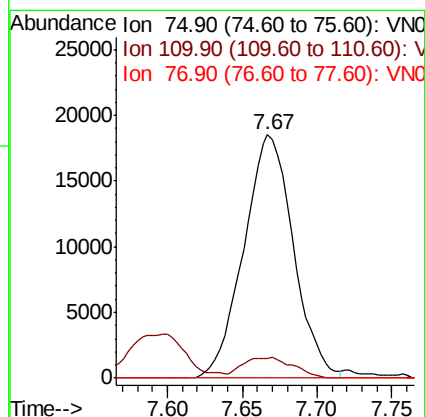
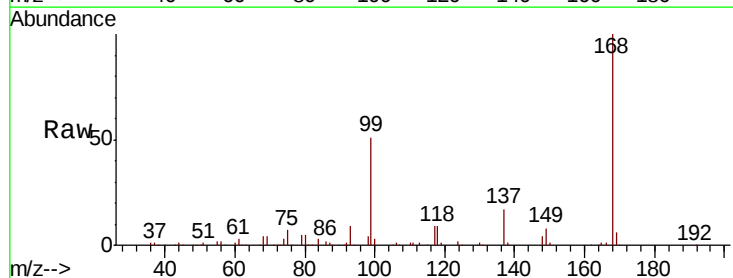
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#10

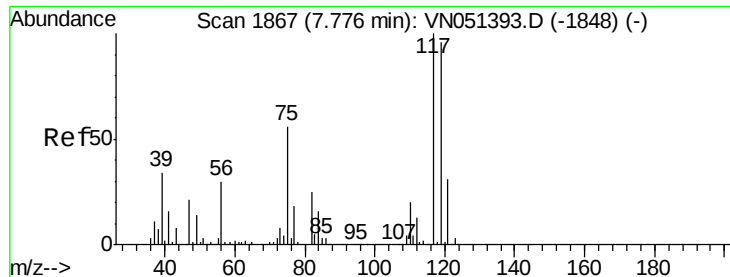
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	123.8
192	22.4	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.846 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051439.D
 Acq: 24 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.788 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#10

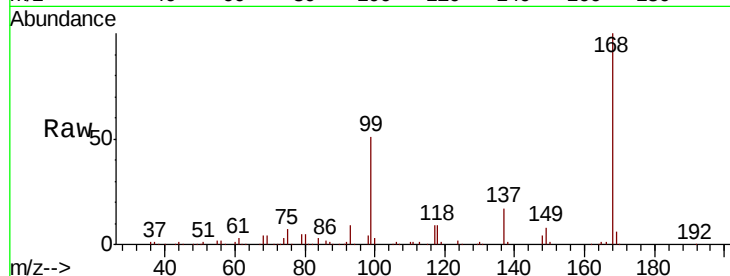
Tgt Ion:117 Resp: 55673

Ion Ratio Lower Upper

117 100

119 6.1 76.9 115.3#

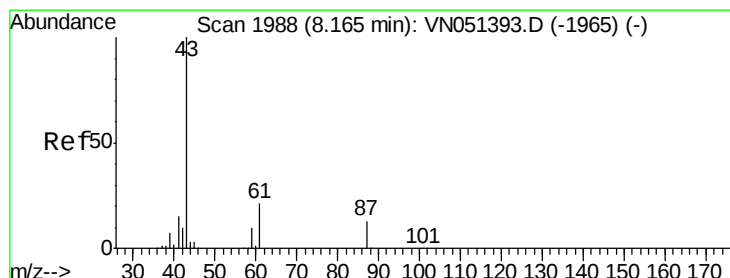
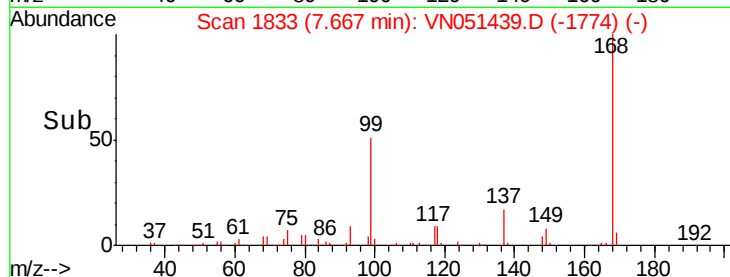
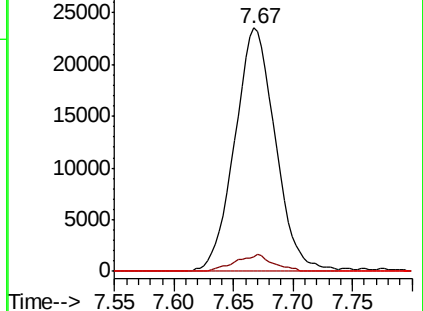
121 0.0 24.6 37.0#



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: 25.388 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

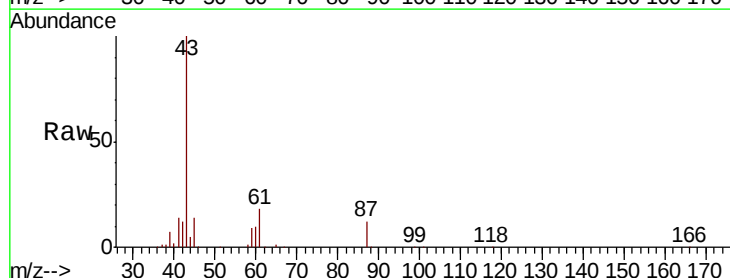
Tgt Ion: 43 Resp: 293422

Ion Ratio Lower Upper

43 100

61 15.5 16.8 25.2#

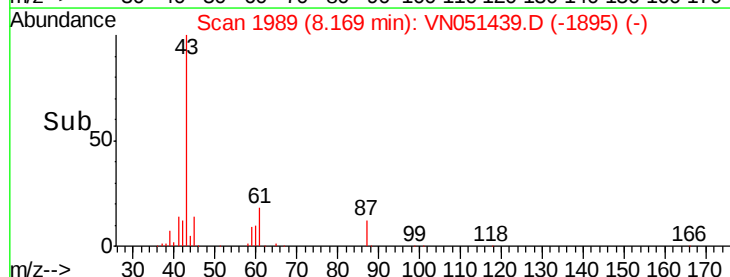
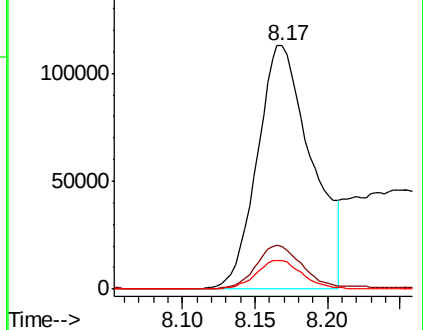
87 10.1 10.7 16.1#

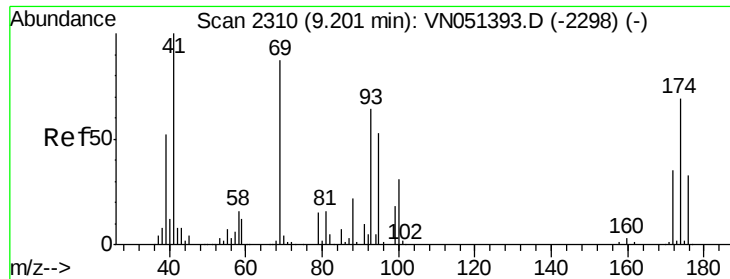


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

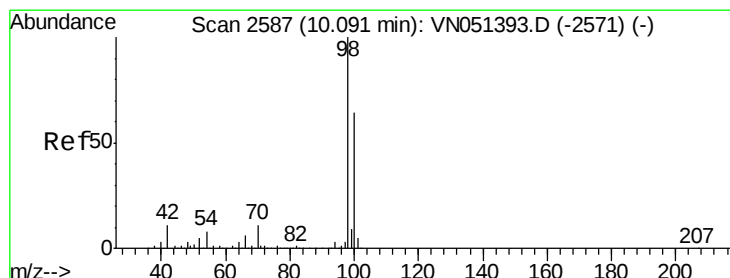
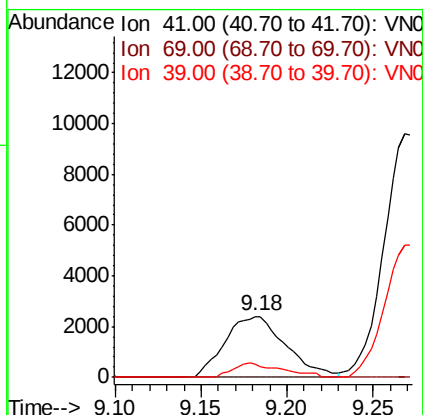
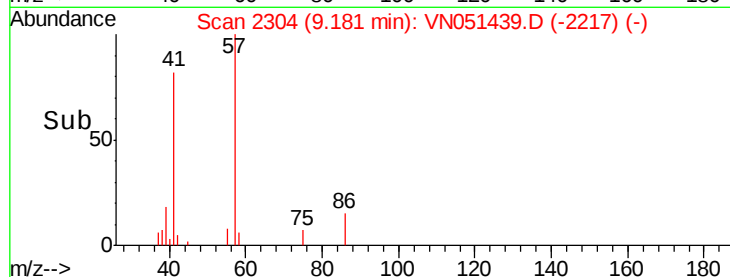
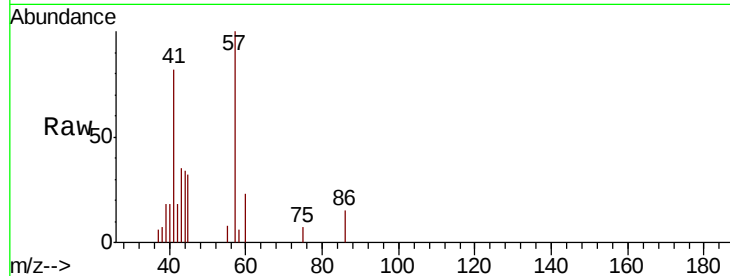




#48
Methyl methacrylate
Concen: 1.026 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

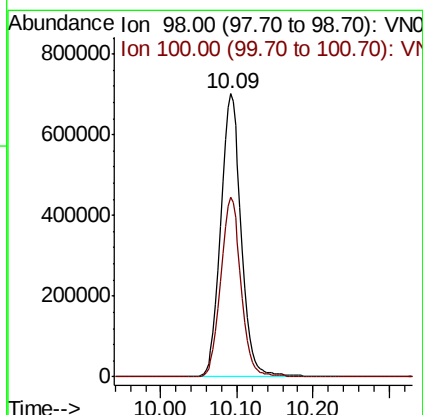
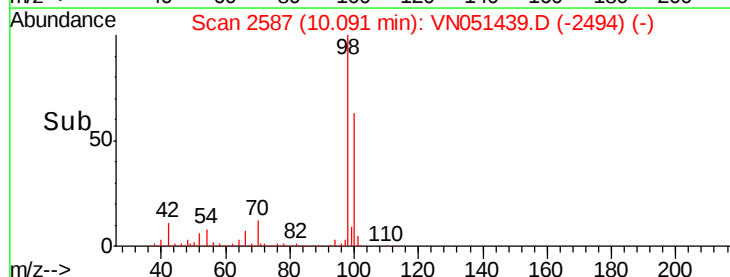
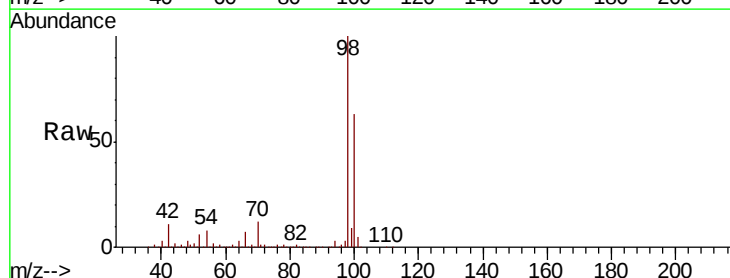
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#10

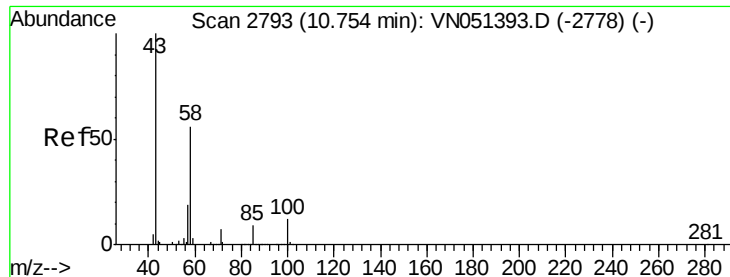
Tgt Ion: 41 Resp: 5913
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 18.3 43.8 65.8#



#50
Toluene-d8
Concen: 45.451 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

Tgt Ion: 98 Resp: 1313838
Ion Ratio Lower Upper
98 100
100 63.0 50.6 75.8

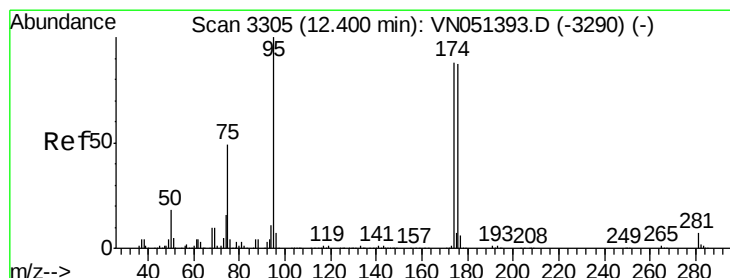
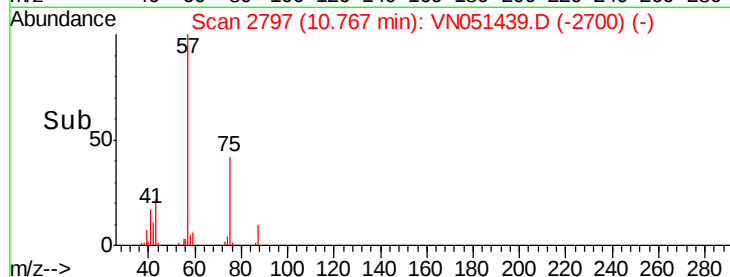
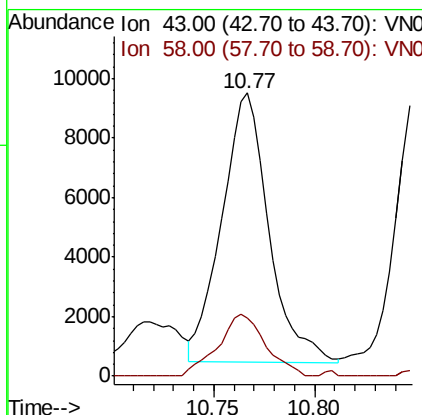
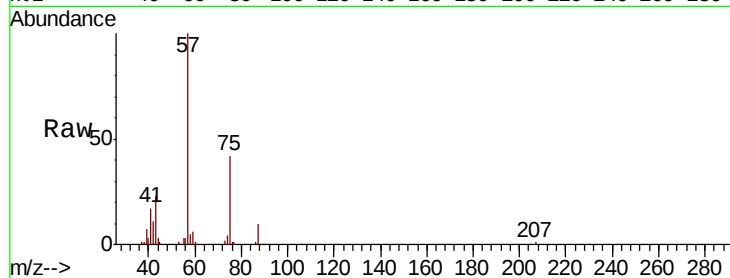




#59
2-Hexanone
Concen: 3.583 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

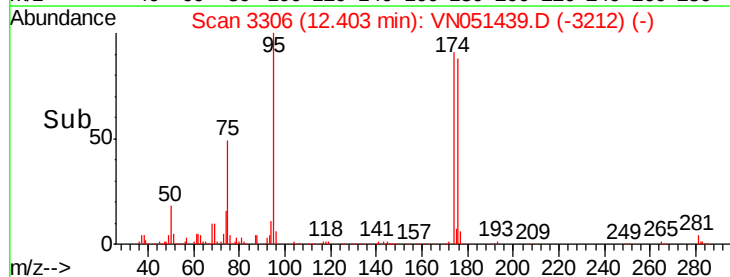
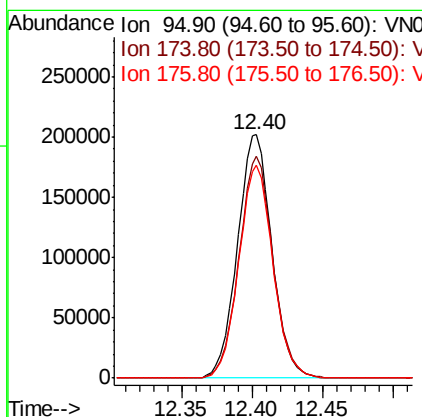
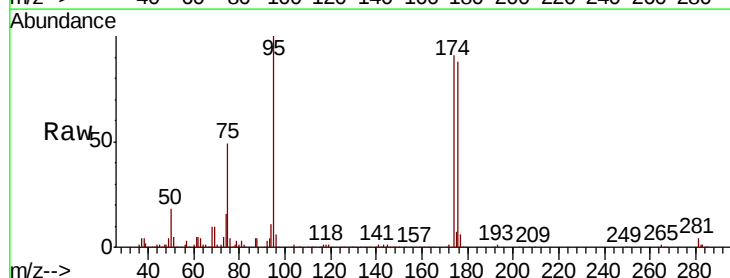
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#10

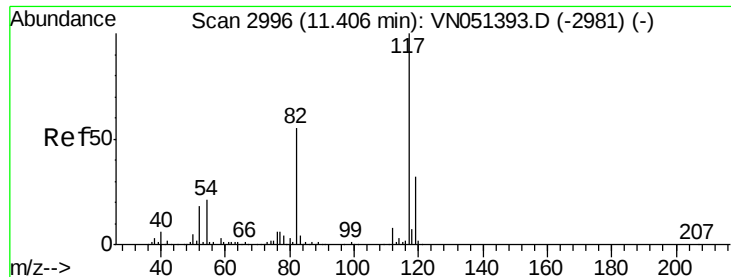
Tgt Ion: 43 Resp: 14762
Ion Ratio Lower Upper
43 100
58 23.2 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 36.848 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

Tgt Ion: 95 Resp: 344570
Ion Ratio Lower Upper
95 100
174 90.1 0.0 181.6
176 86.9 0.0 176.4

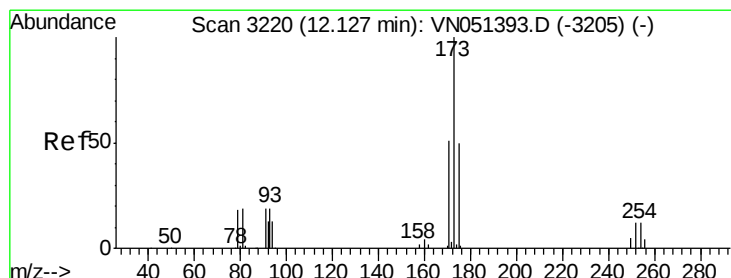
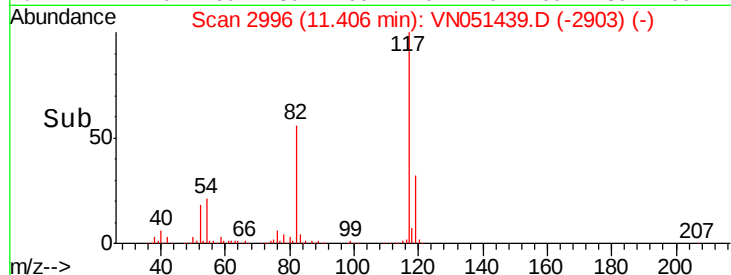
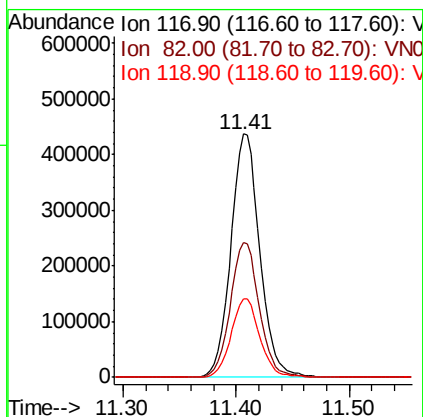
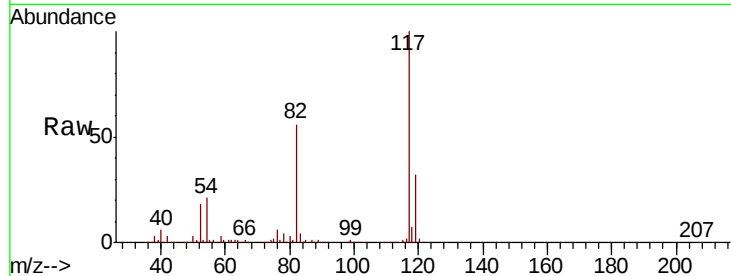




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

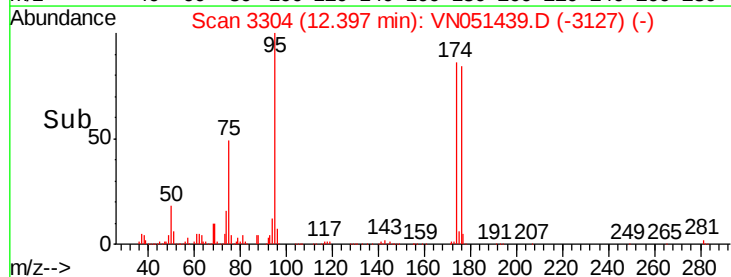
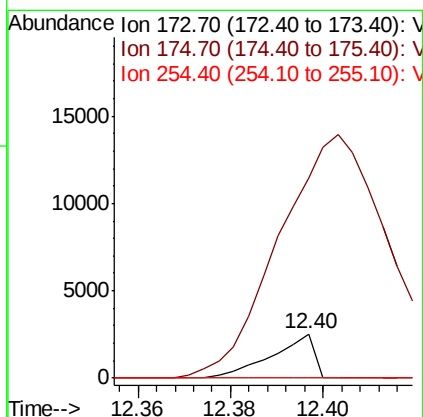
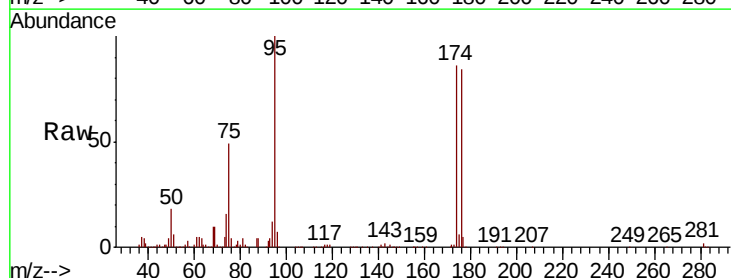
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#10

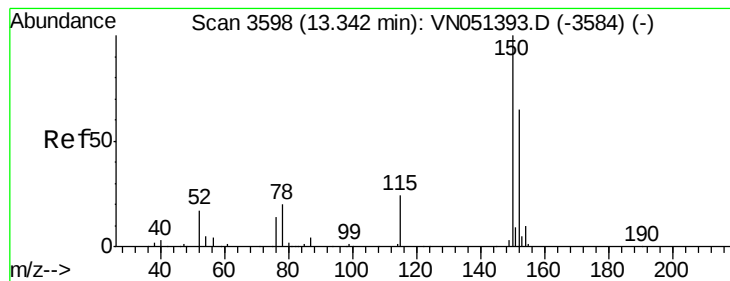
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.2
119	32.2	25.9	38.9



#71
Bromoform
Concen: 0.311 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	1231.2	24.8	74.3#
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051439.D

Acq: 24 Sep 2018 2:38

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#10

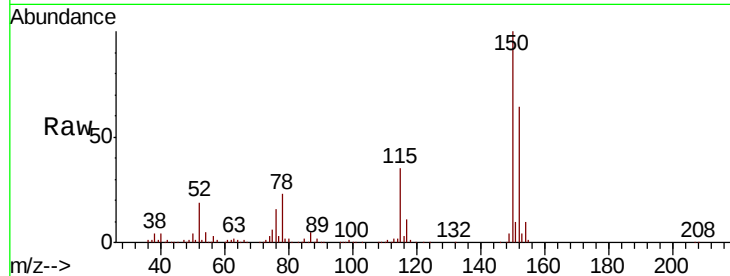
Tgt Ion:152 Resp: 261163

Ion Ratio Lower Upper

152 100

115 55.6 28.3 84.9

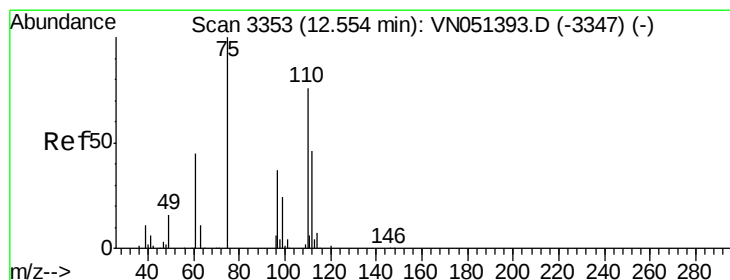
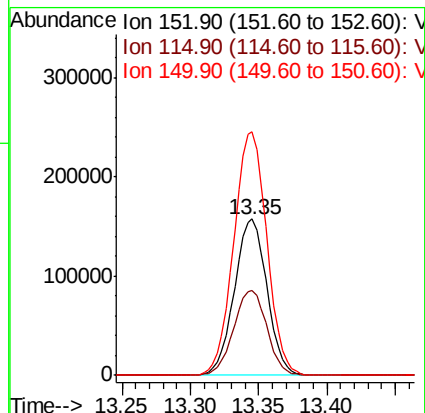
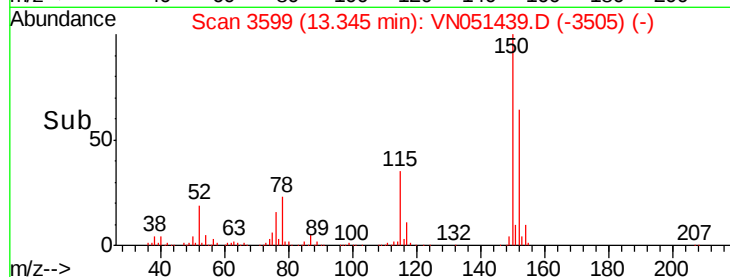
150 158.5 0.0 353.6



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: 38.748 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051439.D

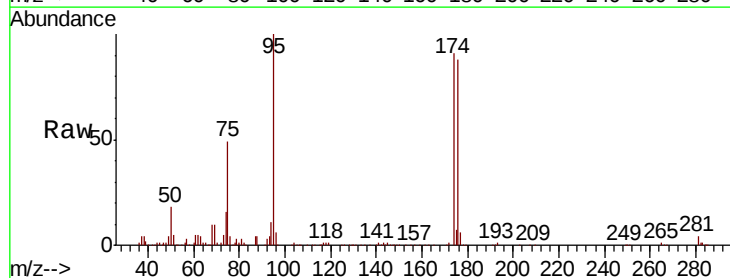
Acq: 24 Sep 2018 2:38

Tgt Ion: 75 Resp: 167990

Ion Ratio Lower Upper

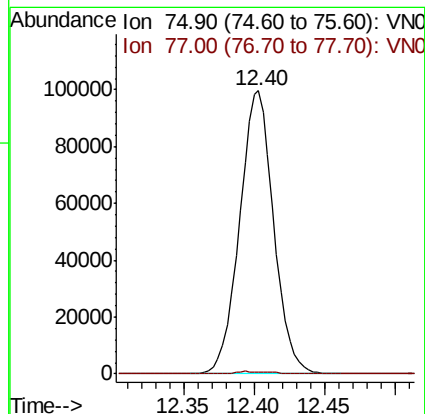
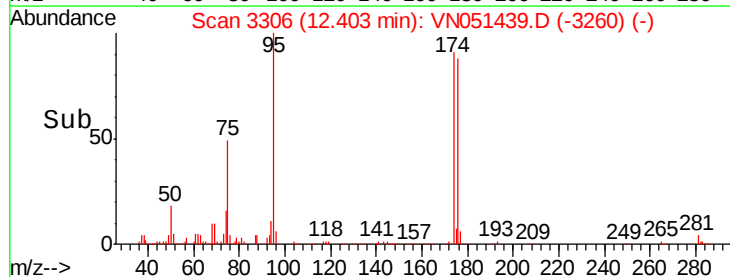
75 100

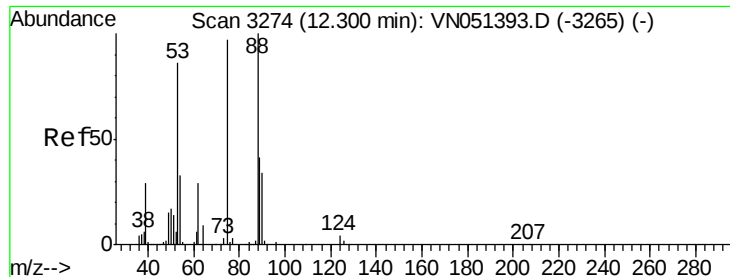
77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

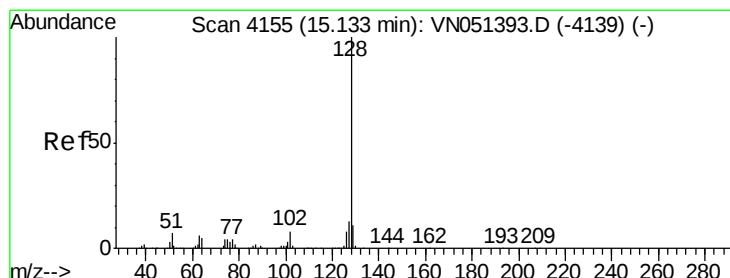
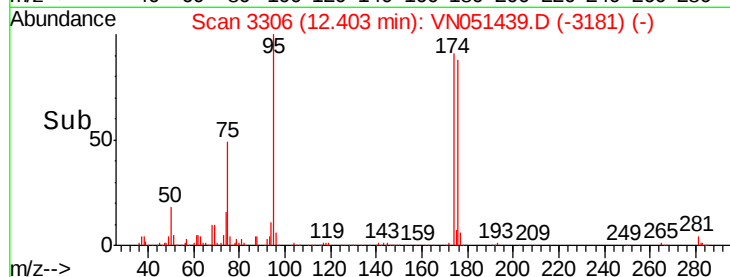
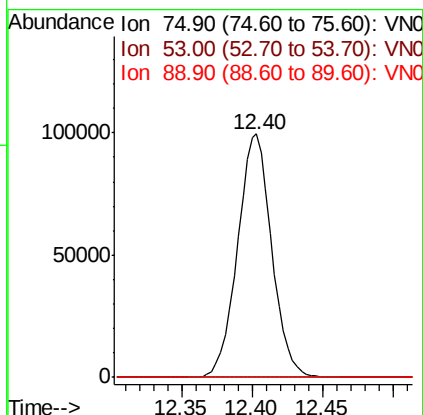
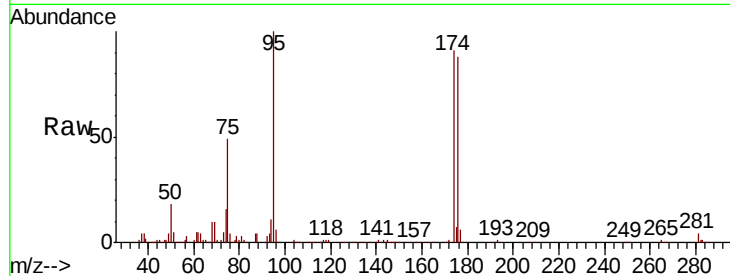




#81
trans-1,4-Dichloro-2-butene
Concen: 119.147 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#10

Tgt Ion: 75 Resp: 167990
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 0.1 36.7 55.1#



#95
Naphthalene
Concen: 8.056 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051439.D
Acq: 24 Sep 2018 2:38

Tgt Ion: 128 Resp: 133
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#

