

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051774.D
 Acq On : 10 Oct 2018 1:58
 Operator : MD\SY
 Sample : J5331-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 NM-STONE-DRUM-3

Quant Time: Oct 10 03:38:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1042323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	911588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421484	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	7.59	113	384455	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	10.09	98	1499887	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	412630	38.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.54%	

Target Compounds

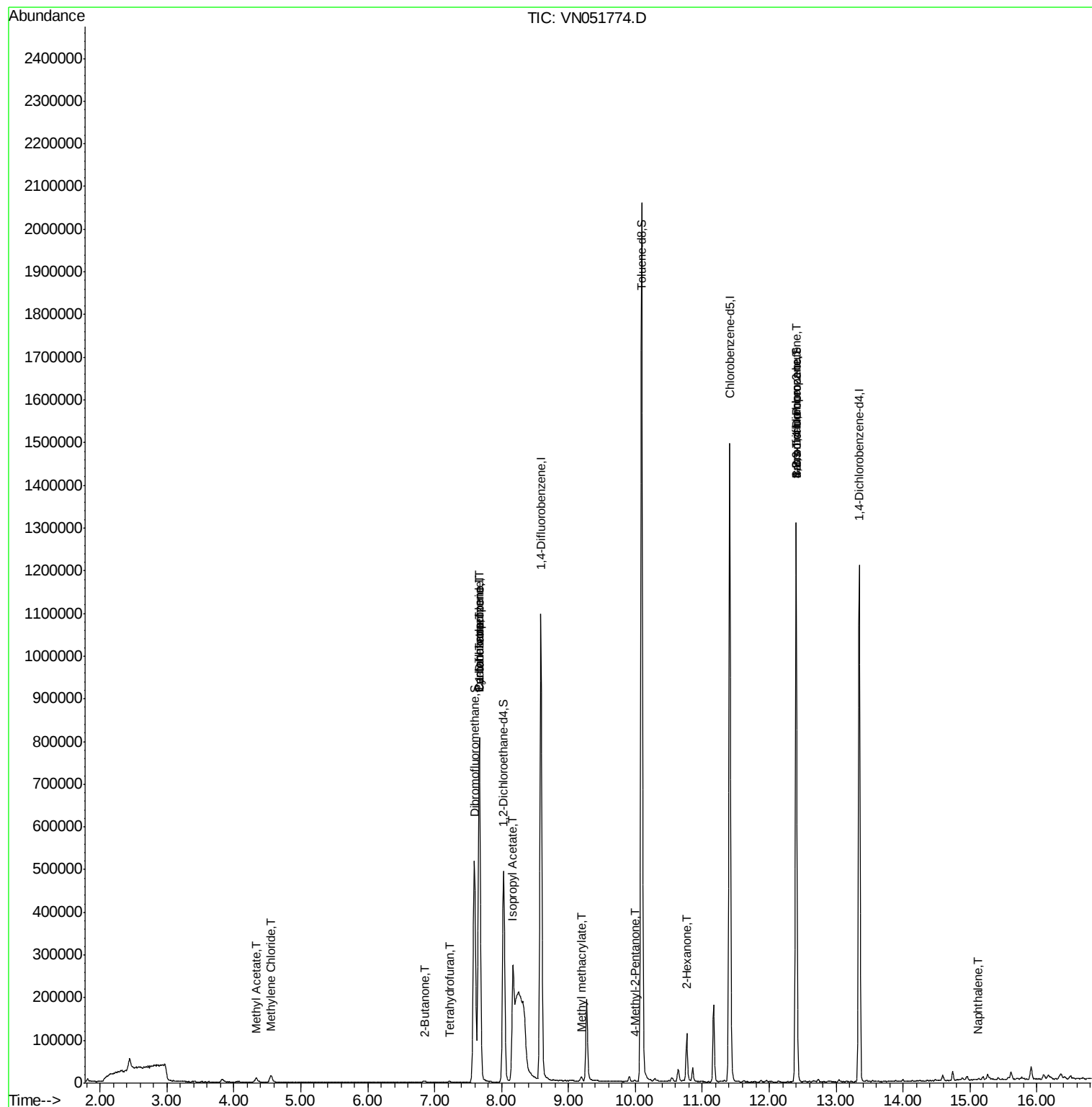
						Qvalue
7) Trichlorofluoromethane	3.00	101	71	Below Cal	#	18
13) Acrolein	3.68	56	70	Below Cal	#	1
16) Acetone	3.83	43	11173	Below Cal		98
18) Methyl Acetate	4.33	43	15261	2.954	ug/l #	88
20) Methylene Chloride	4.55	84	10988	1.427	ug/l	98
25) 2-Butanone	6.85	43	1618	0.599	ug/l #	74
29) Tetrahydrofuran	7.23	42	1223	0.737	ug/l #	57
31) Cyclohexane	7.67	56	13281	1.045	ug/l #	37
36) 1,1-Dichloropropene	7.67	75	47126	4.326	ug/l #	48
38) Carbon Tetrachloride	7.67	117	65186	4.986	ug/l #	16
41) Methacrylonitrile	7.14	41	64	Below Cal	#	13
43) Isopropyl Acetate	8.17	43	344419	29.072	ug/l #	90
48) Methyl methacrylate	9.19	41	5315	0.982	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	1858	0.310	ug/l	90
59) 2-Hexanone	10.77	43	15499	3.802	ug/l #	54
71) Bromoform	12.40	173	3539	0.526	ug/l #	1
74) N-amyl acetate	12.07	43	83	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.41	83	279	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	220938	52.112	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	220938	118.628	ug/l #	14
95) Naphthalene	15.13	128	3449	0.290	ug/l #	84

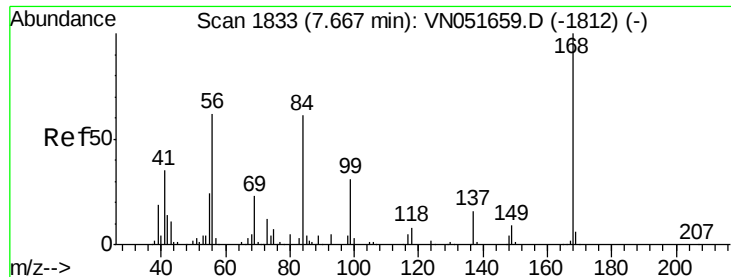
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 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: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

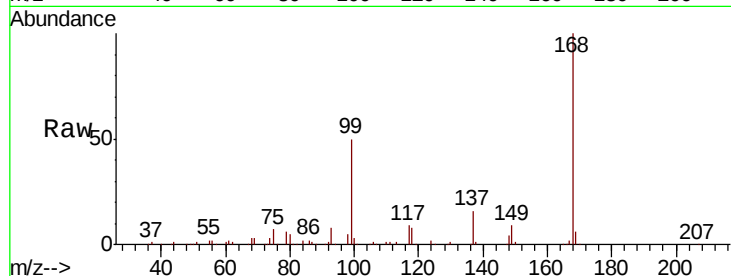
NM-STONE-DRUM-3

Tot Ion:168 Resp: 708554

Ion Ratio Lower Upper

168 100

99 50.1 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

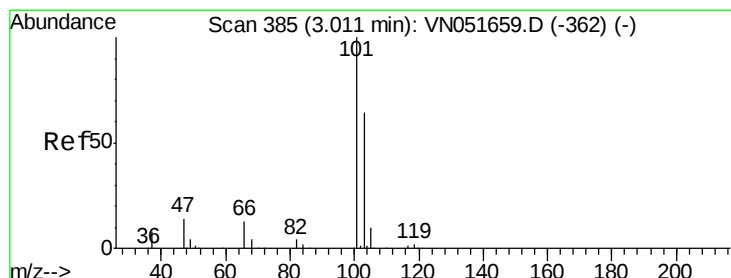
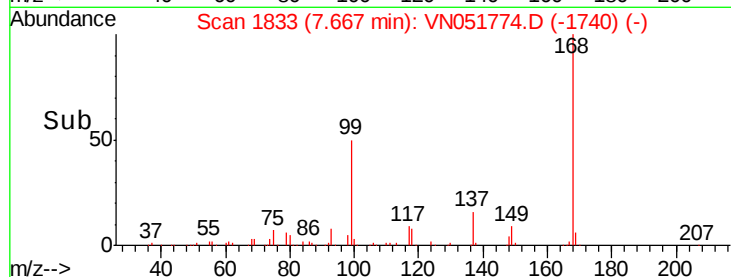
300000

200000

100000

0

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 381

Delta R.T. -0.01 min

Lab File: VN051774.D

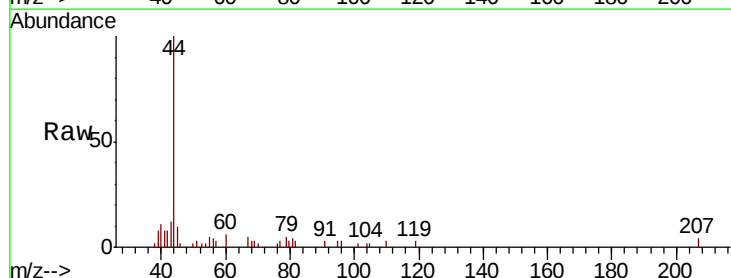
Acq: 10 Oct 2018 1:58

Tgt Ion:101 Resp: 71

Ion Ratio Lower Upper

101 100

103 0.0 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

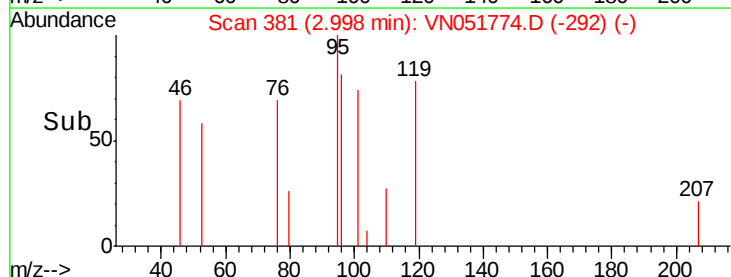
300

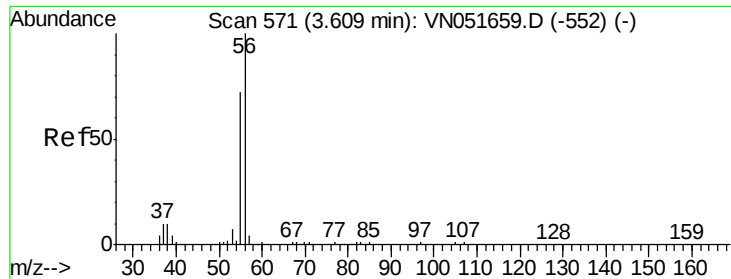
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.68 min Scan# 594

Delta R.T. 0.07 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

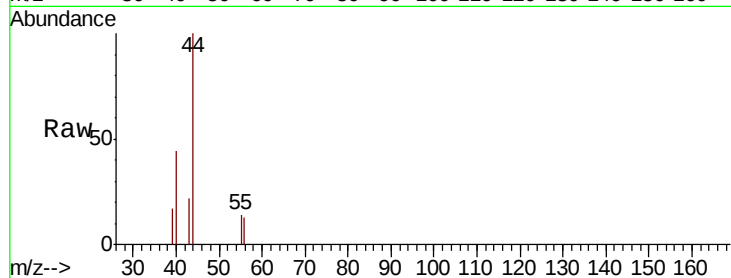
NM-STONE-DRUM-3

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

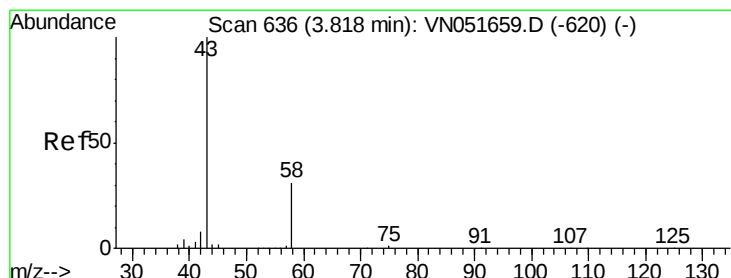
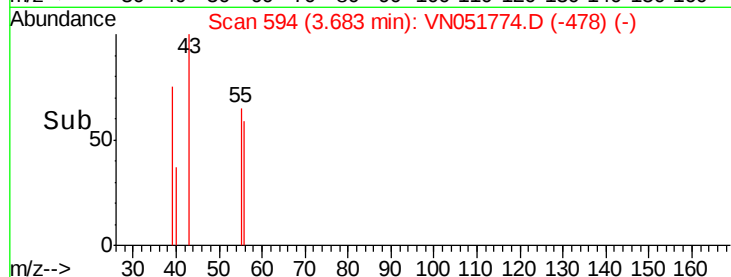
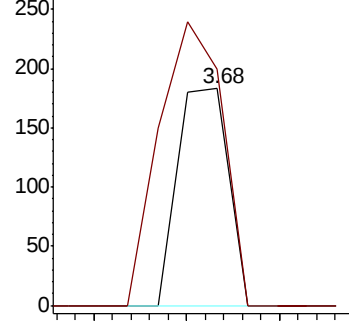
56 100

55 162.9 57.5 86.3#



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# 639

Delta R.T. 0.01 min

Lab File: VN051774.D

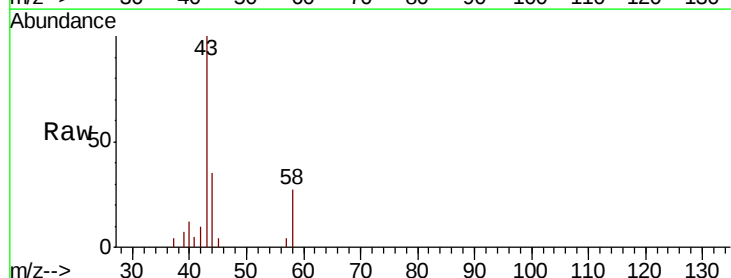
Acq: 10 Oct 2018 1:58

Tgt Ion: 43 Resp: 11173

Ion Ratio Lower Upper

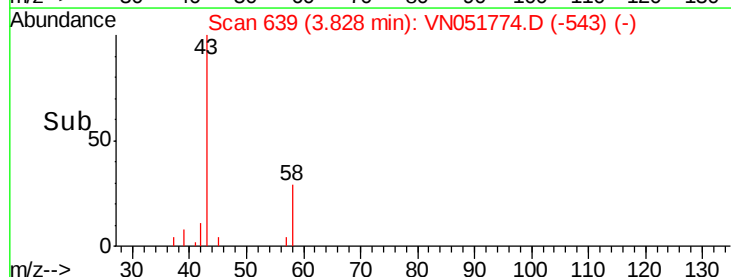
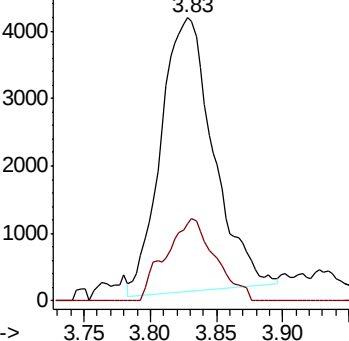
43 100

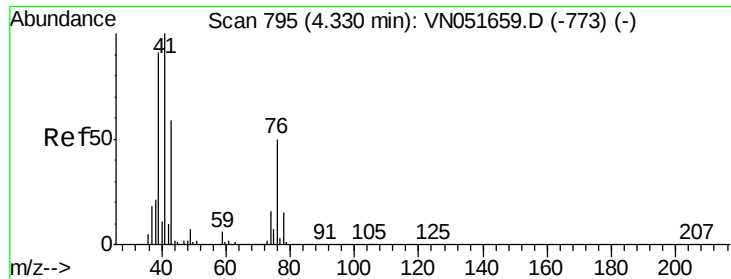
58 29.1 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

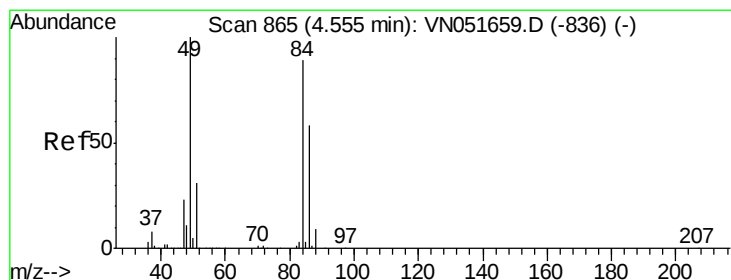
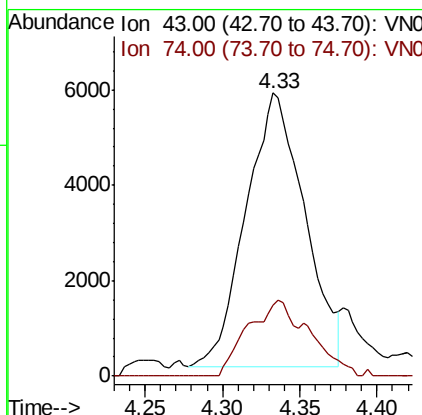
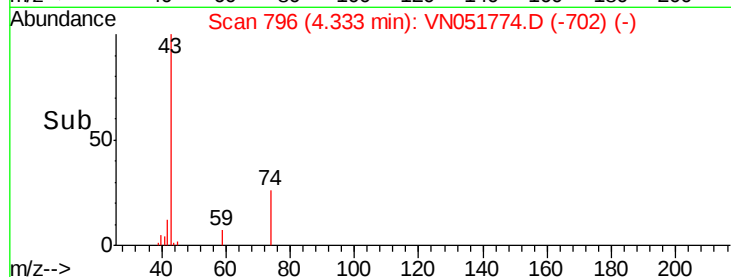
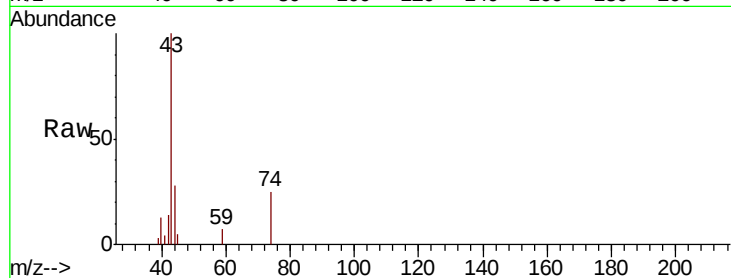




#18
Methyl Acetate
Concen: 2.954 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

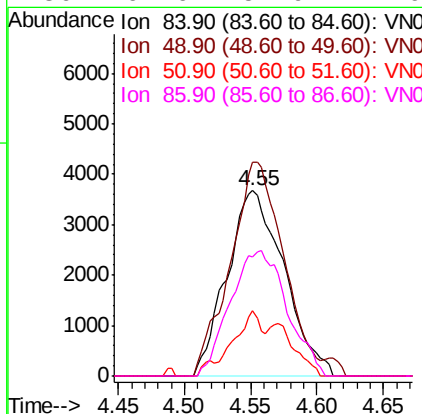
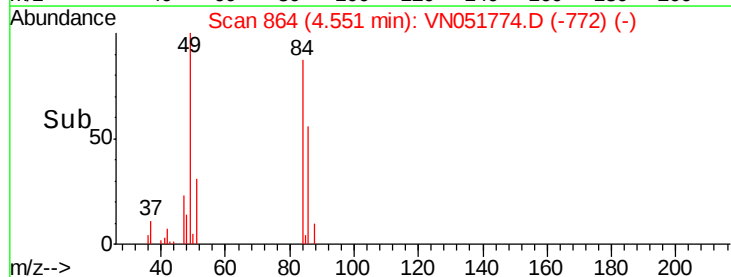
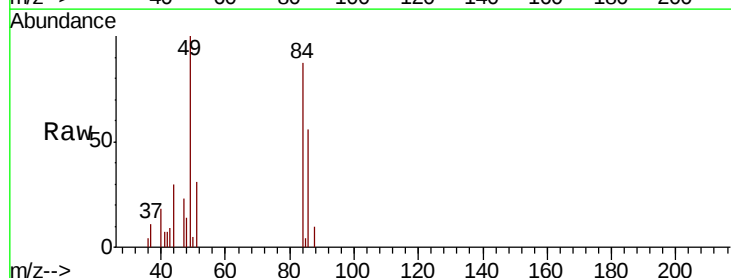
Instrument :
MSVOA_N
ClientSampleId :
NM-STONE-DRUM-3

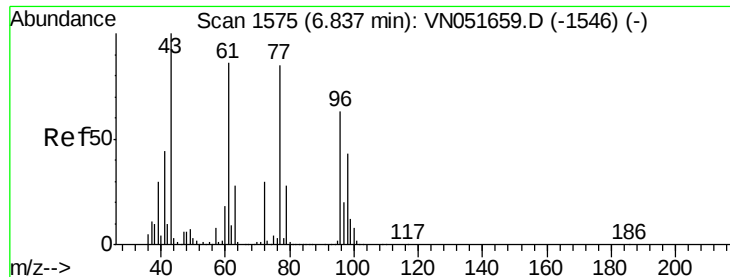
Tot Ion: 43 Resp: 15261
Ion Ratio Lower Upper
43 100
74 20.9 21.5 32.3#



#20
Methylene Chloride
Concen: 1.427 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Tgt Ion: 84 Resp: 10988
Ion Ratio Lower Upper
84 100
49 115.2 89.5 134.3
51 35.3 27.4 41.0
86 64.6 51.9 77.9

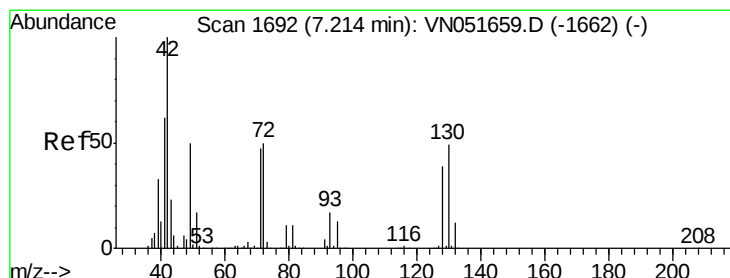
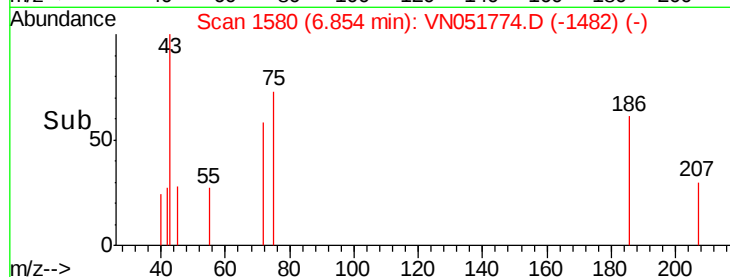
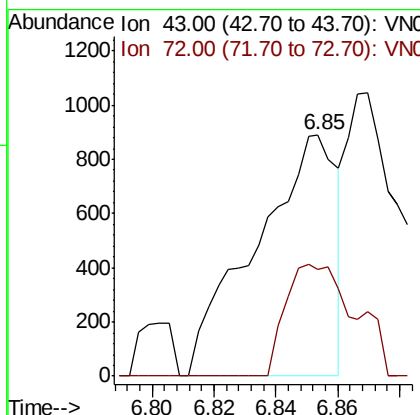
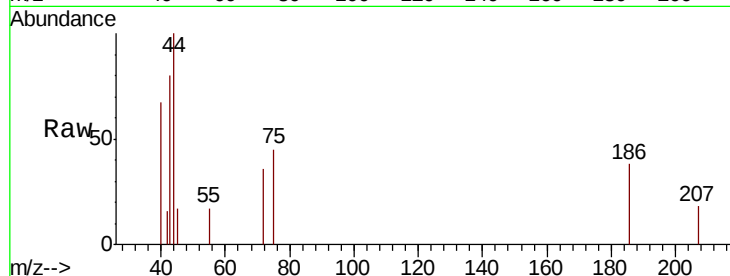




#25
2-Butanone
Concen: 0.599 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

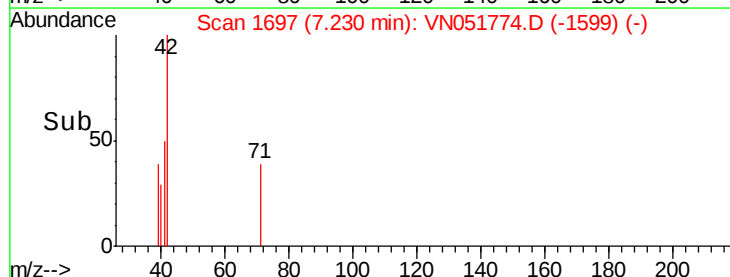
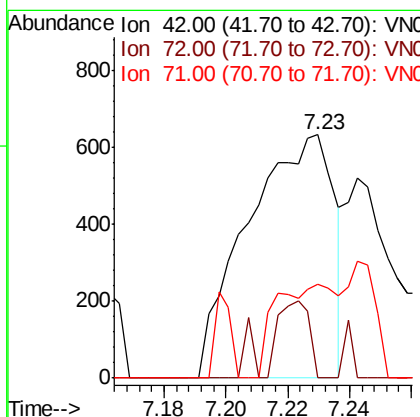
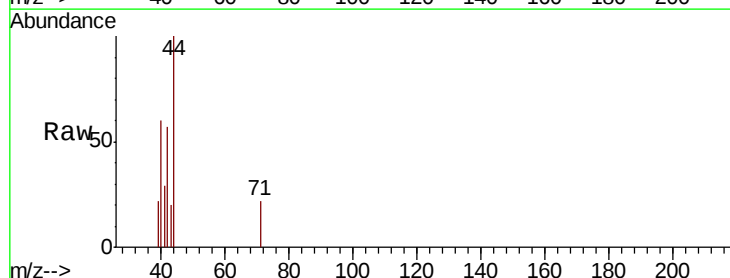
Instrument :
MSVOA_N
ClientSampleId :
NM-STONE-DRUM-3

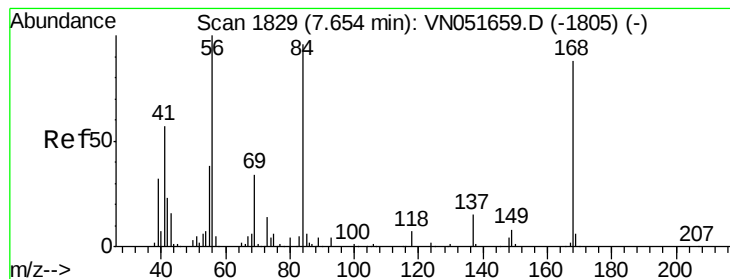
Tot Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
72 44.4 24.2 36.2#



#29
Tetrahydrofuran
Concen: 0.737 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Tgt Ion: 42 Resp: 1223
Ion Ratio Lower Upper
42 100
72 11.5 40.1 60.1#
71 27.4 38.0 57.0#





#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

NM-STONE-DRUM-3

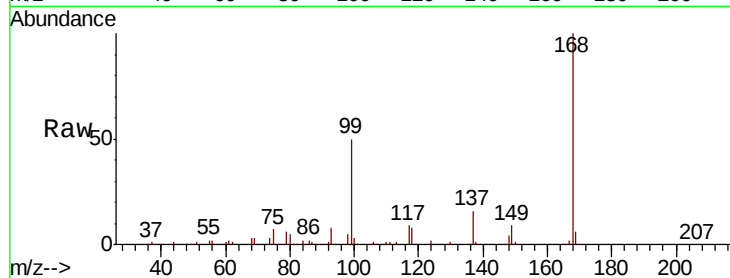
Tot Ion: 56 Resp: 13281

Ion Ratio Lower Upper

56 100

69 138.5 27.5 41.3#

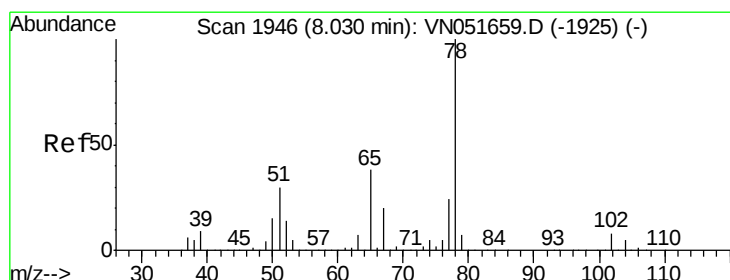
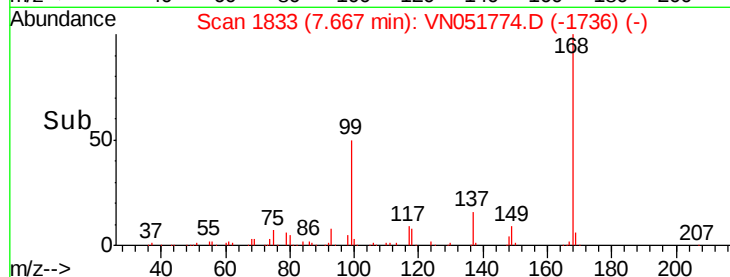
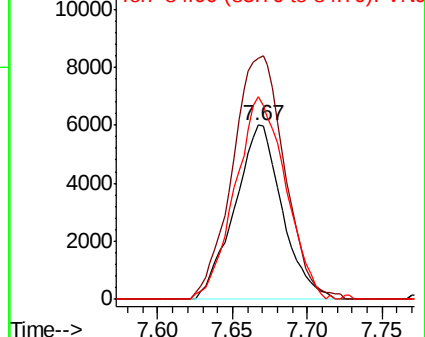
84 116.0 76.7 115.1#



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: VN051774.D

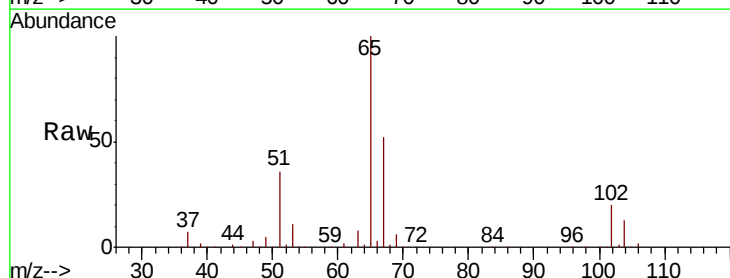
Acq: 10 Oct 2018 1:58

Tgt Ion: 65 Resp: 421484

Ion Ratio Lower Upper

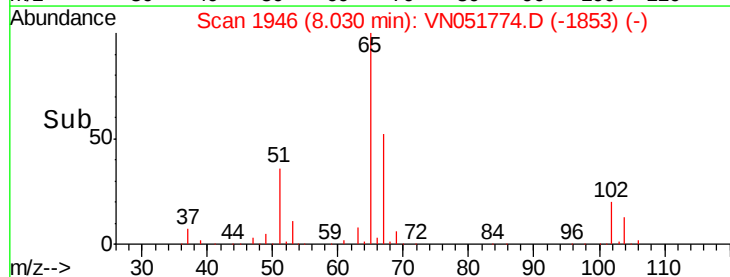
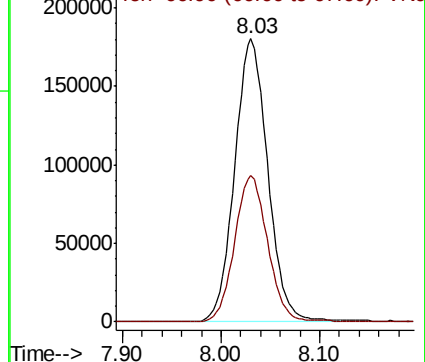
65 100

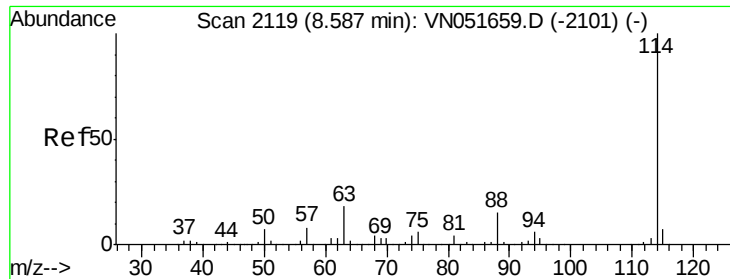
67 51.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

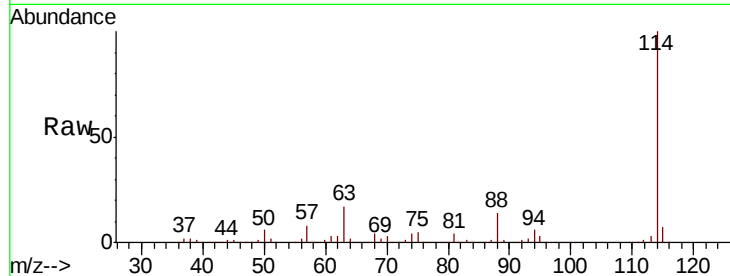




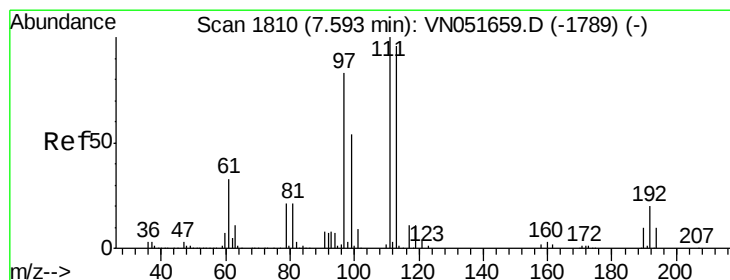
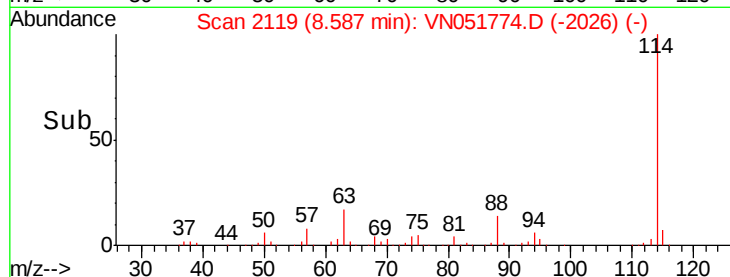
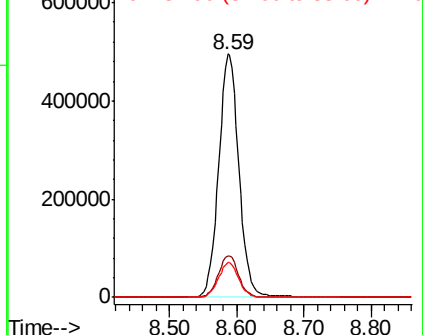
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Instrument :
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Tot Ion:114 Resp: 1042323
Ion Ratio Lower Upper
114 100
63 17.2 0.0 36.2
88 14.3 0.0 30.2

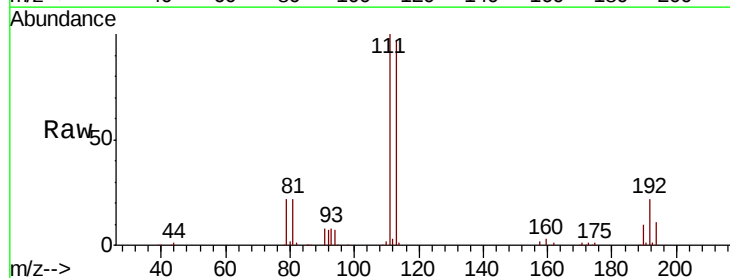


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

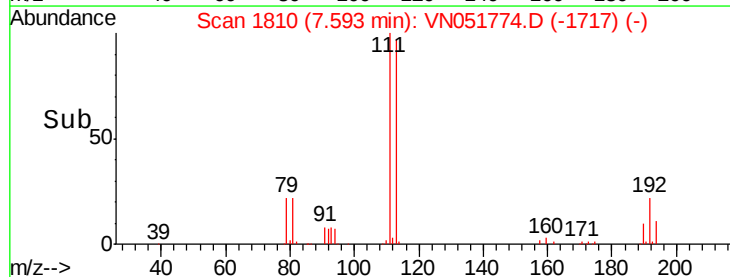
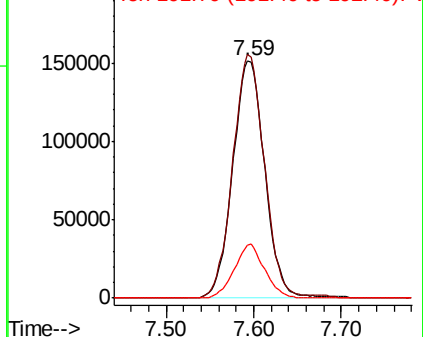


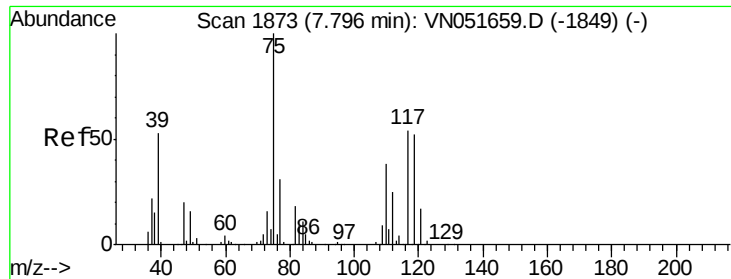
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Tgt Ion:113 Resp: 384455
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 21.5 16.5 24.7



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: 4.326 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

NM-STONE-DRUM-3

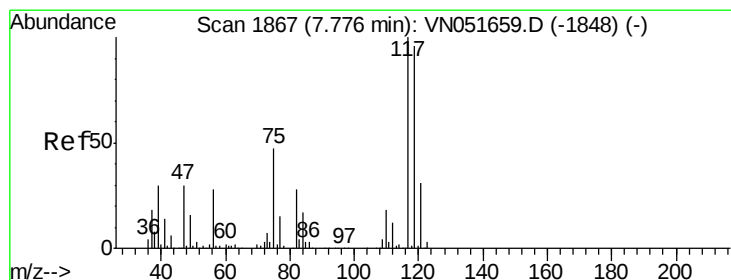
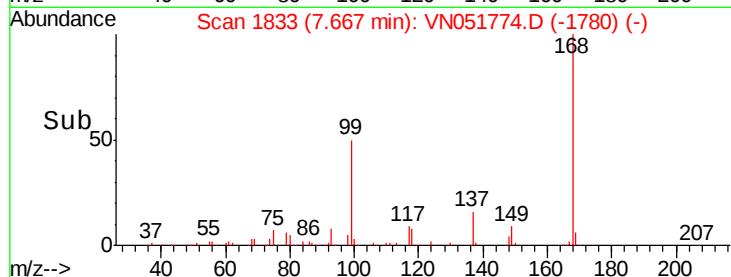
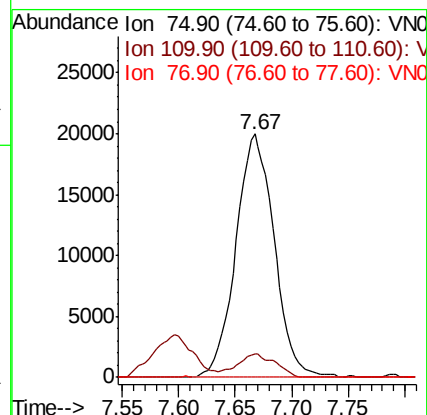
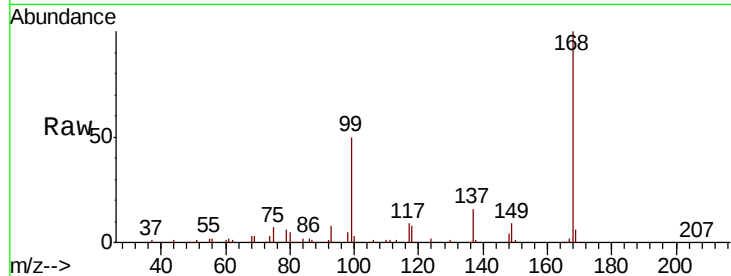
Tot Ion: 75 Resp: 47126

Ion Ratio Lower Upper

75 100

110 9.5 19.3 57.8#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.986 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

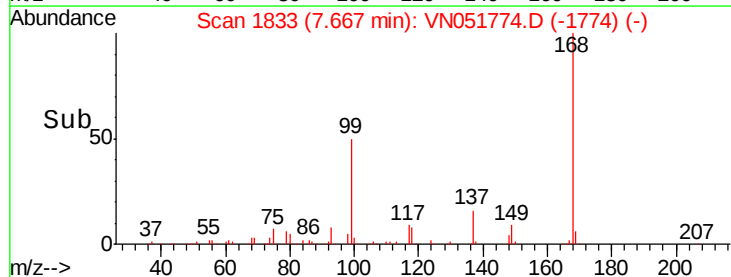
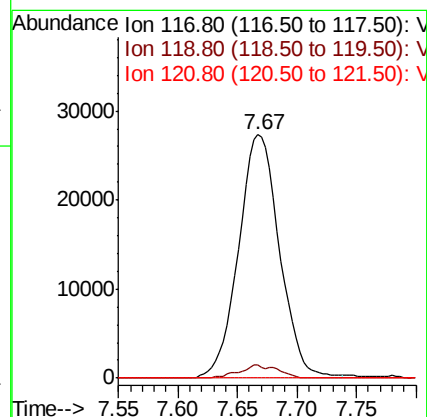
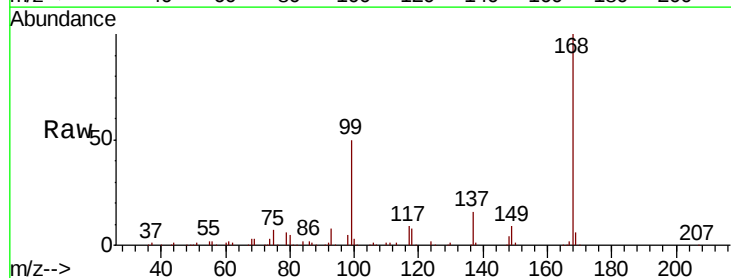
Tgt Ion: 117 Resp: 65186

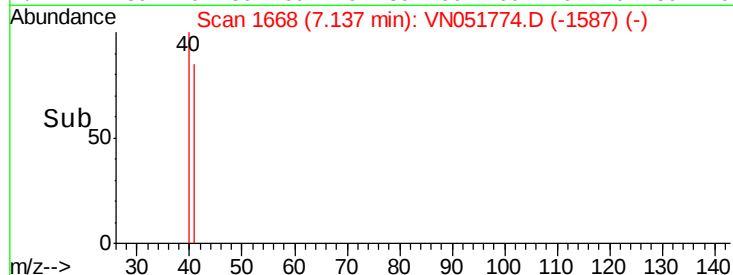
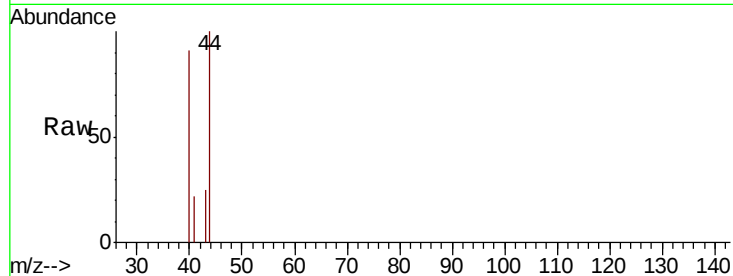
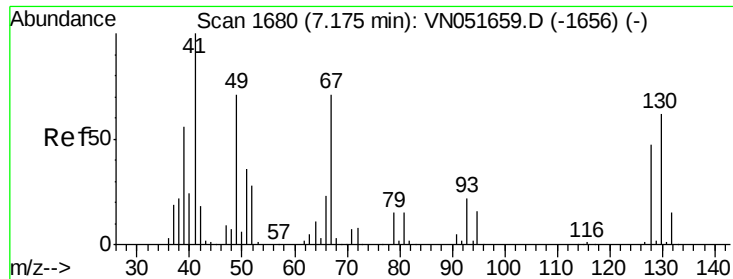
Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.6#

121 0.0 25.0 37.6#

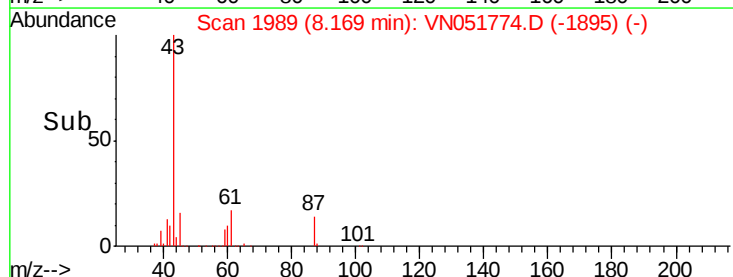
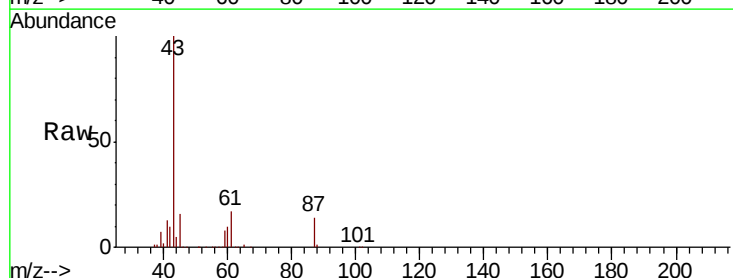
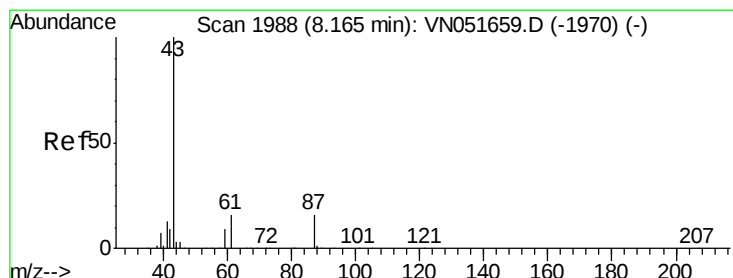
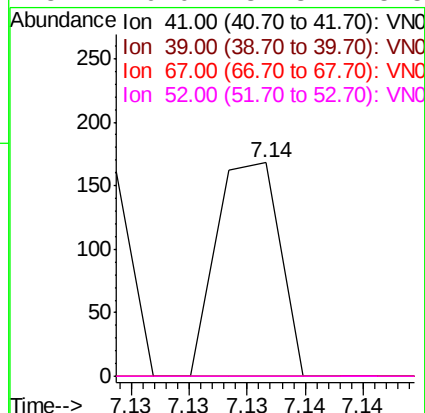




#41
Methacrylonitrile
Concen: Below Cal
RT: 7.14 min Scan# 1668
Delta R.T. -0.04 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

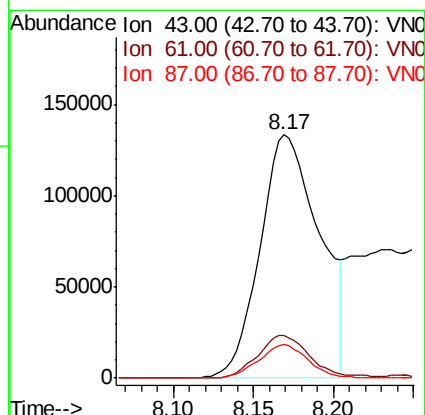
Instrument :
MSVOA_N
ClientSampleId :
NM-STONE-DRUM-3

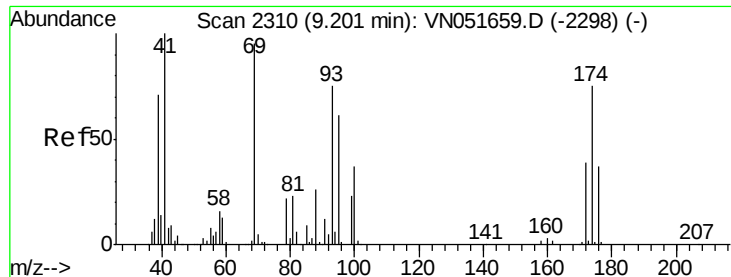
Tot Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
39 0.0 53.9 80.9#
67 0.0 78.1 117.1#
52 0.0 32.3 48.5#



#43
Isopropyl Acetate
Concen: 29.072 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Tgt Ion: 43 Resp: 344419
Ion Ratio Lower Upper
43 100
61 15.1 15.8 23.6#
87 11.4 12.6 19.0#

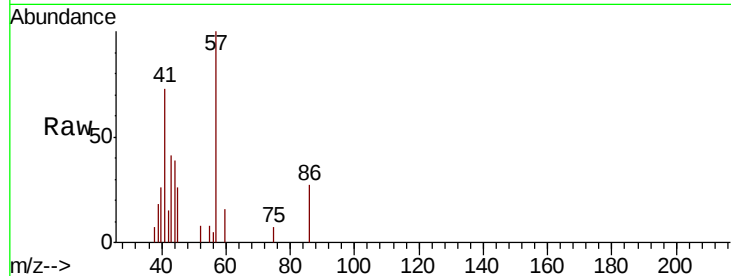




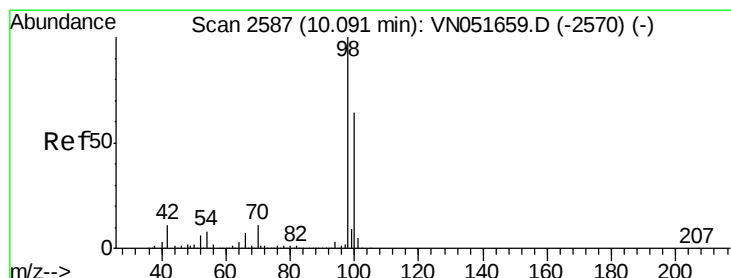
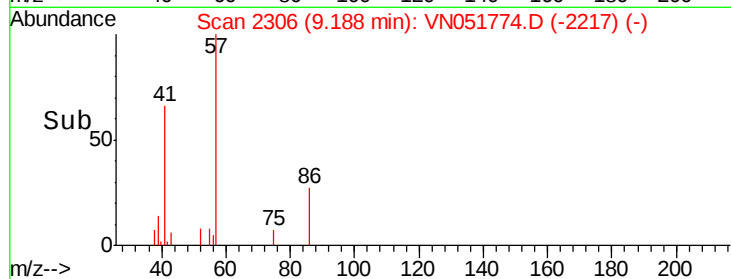
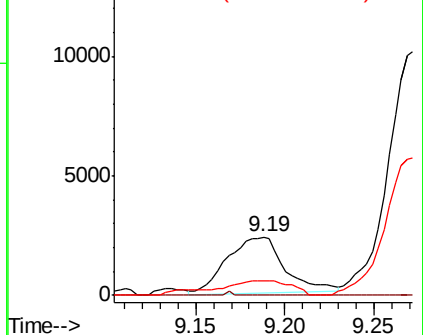
#48
Methvl methacrylate
Concen: 0.982 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Instrument :
MSVOA_N
ClientSampleId :
NM-STONE-DRUM-3

Tot Ion: 41 Resp: 5315
Ion Ratio Lower Upper
41 100
69 0.6 78.6 118.0#
39 27.8 59.2 88.8#

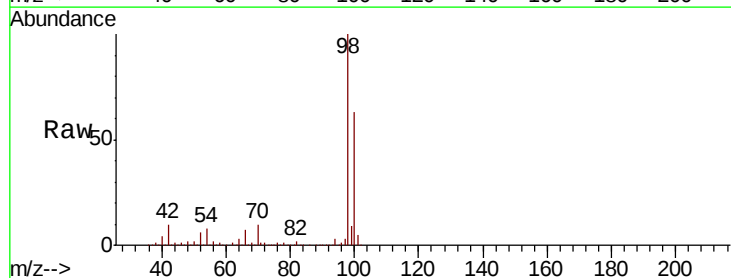


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

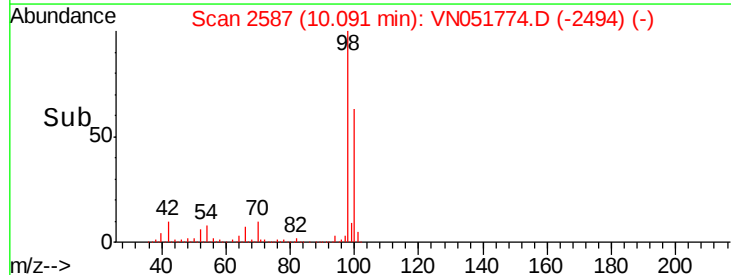
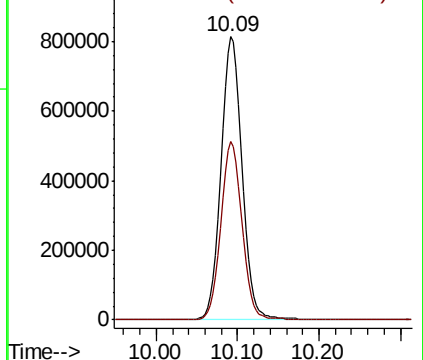


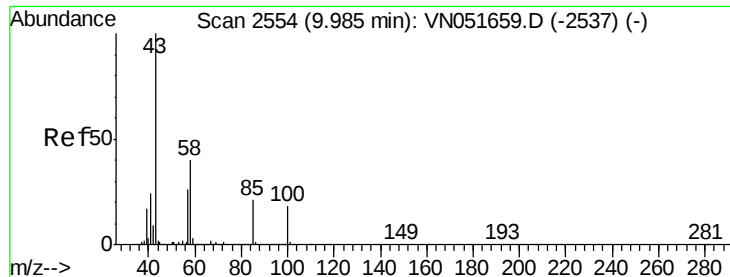
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Tgt Ion: 98 Resp: 1499887
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3



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

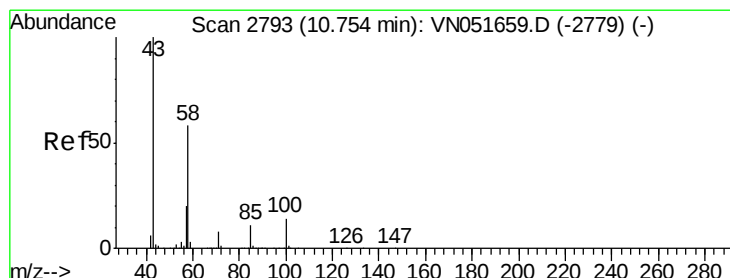
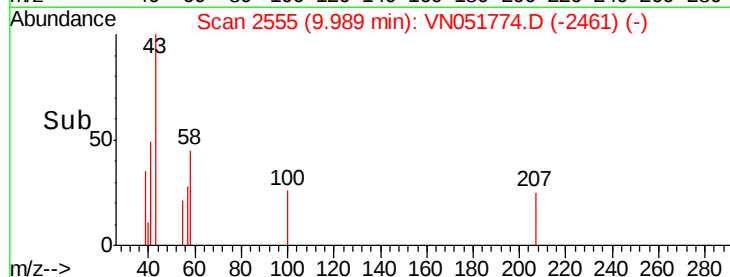
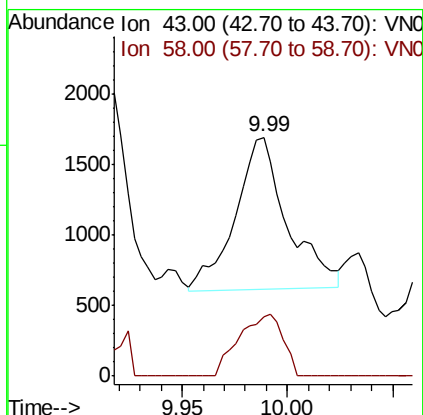
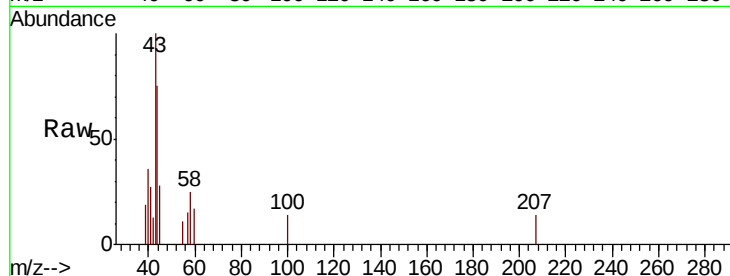




#51
 4-Methyl-2-Pentanone
 Concen: 0.310 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051774.D
 Acq: 10 Oct 2018 1:58

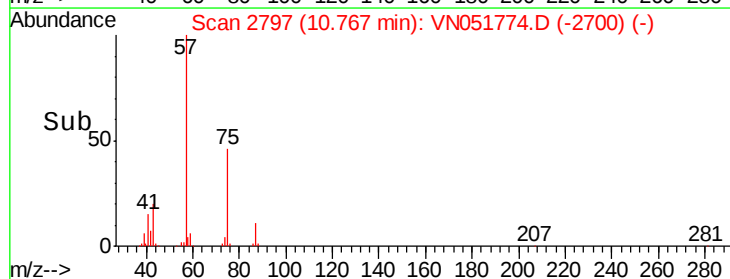
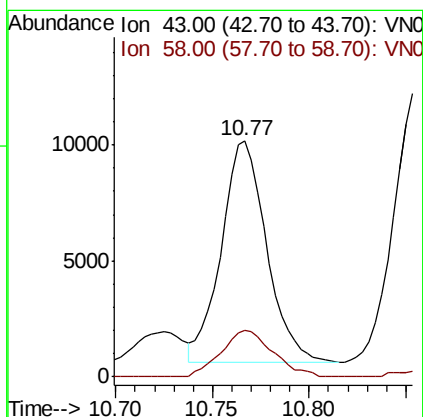
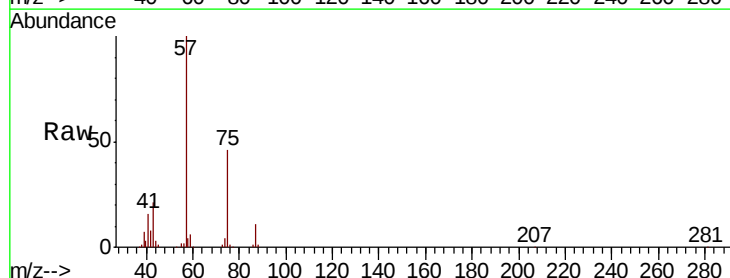
Instrument :
 MSVOA_N
 ClientSampleId :
 NM-STONE-DRUM-3

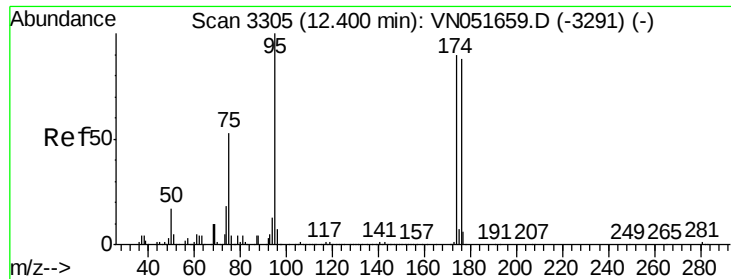
Tot Ion: 43 Resp: 1858
 Ion Ratio Lower Upper
 43 100
 58 34.0 32.2 48.2



#59
 2-Hexanone
 Concen: 3.802 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051774.D
 Acq: 10 Oct 2018 1:58

Tgt Ion: 43 Resp: 15499
 Ion Ratio Lower Upper
 43 100
 58 23.9 28.8 86.4#

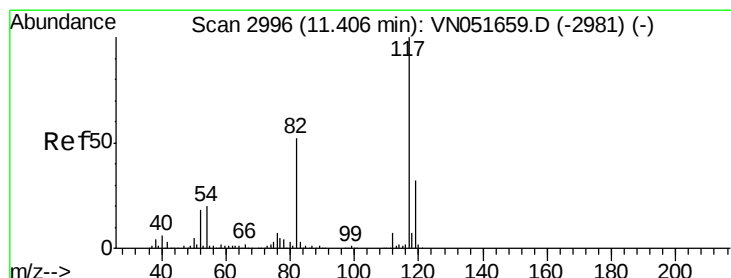
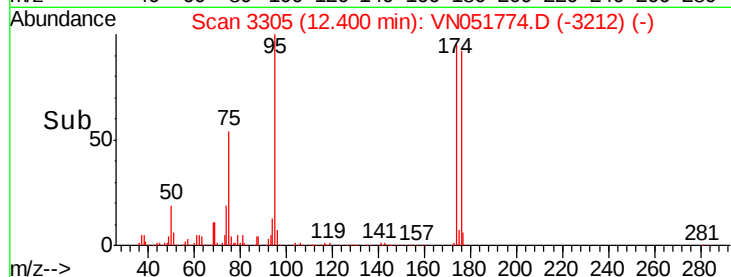
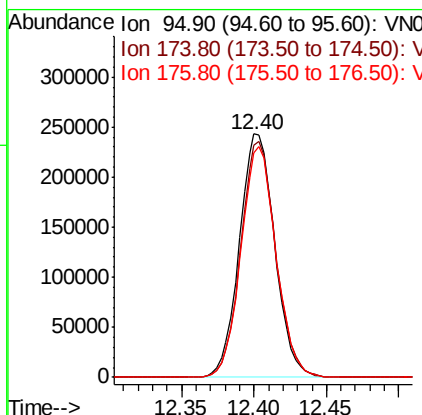
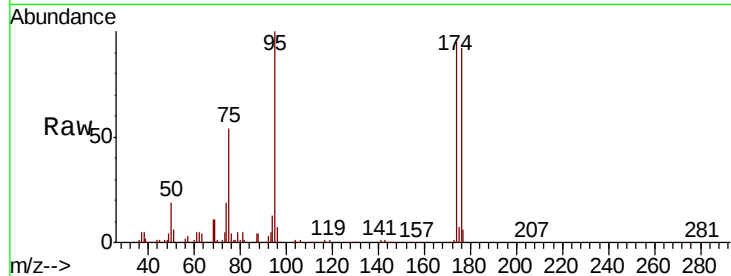




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

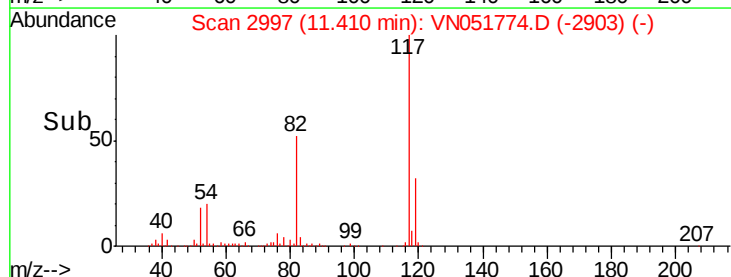
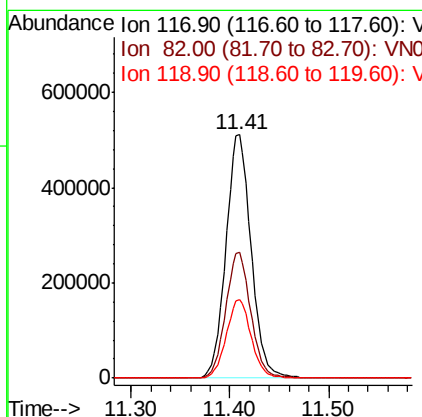
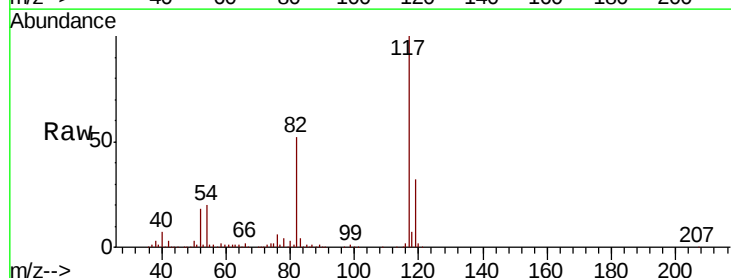
Instrument :
MSVOA_N
ClientSampleId :
NM-STONE-DRUM-3

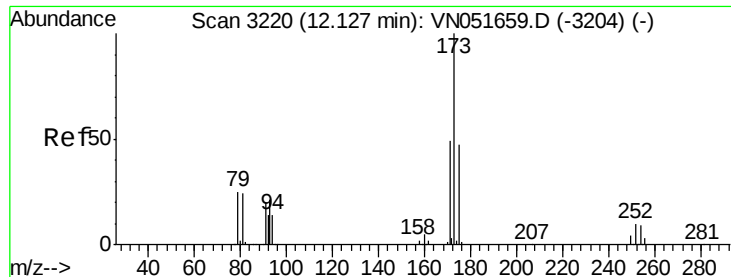
Tot Ion: 95 Resp: 412630
Ion Ratio Lower Upper
95 100
174 95.8 0.0 182.8
176 93.7 0.0 176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051774.D
Acq: 10 Oct 2018 1:58

Tgt Ion: 117 Resp: 911588
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 32.3 25.9 38.9





#71

Bromoform

Concen: 0.526 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

NM-STONE-DRUM-3

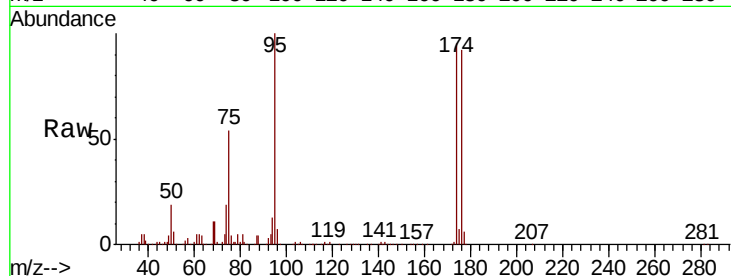
Tot Ion:173 Resp: 3539

Ion Ratio Lower Upper

173 100

175 717.1 24.0 72.0#

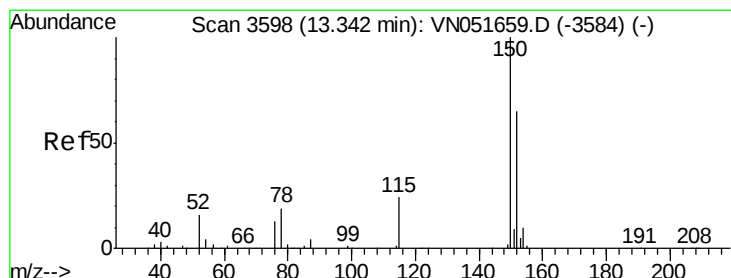
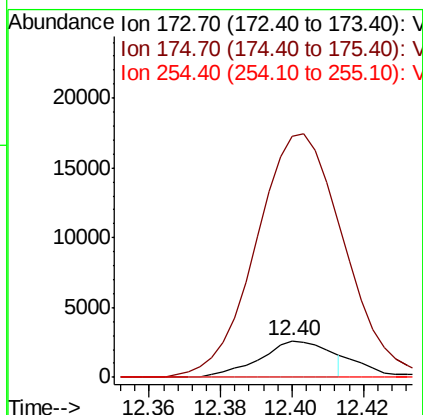
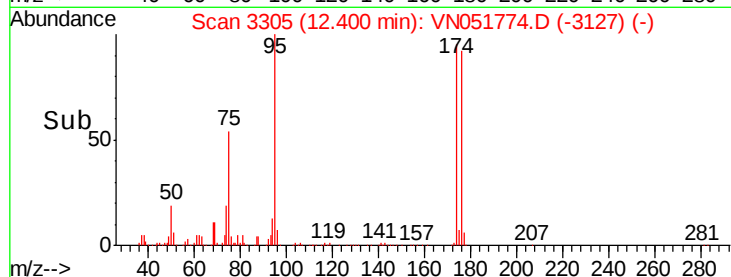
254 0.0 0.1 0.1#



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: VN051774.D

Acq: 10 Oct 2018 1:58

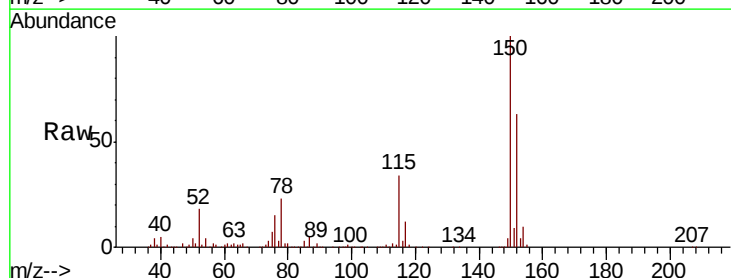
Tgt Ion:152 Resp: 342354

Ion Ratio Lower Upper

152 100

115 53.2 28.6 85.8

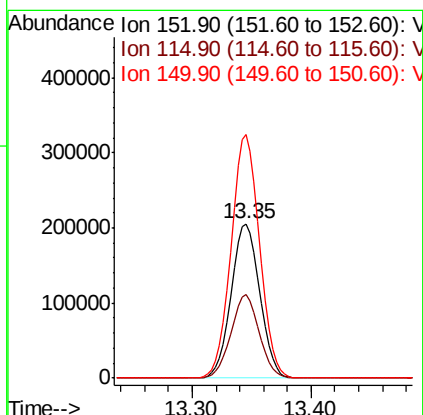
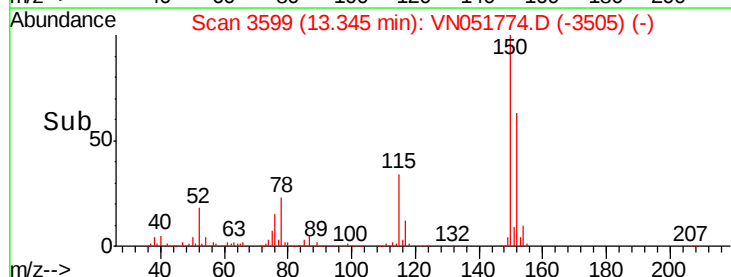
150 156.0 0.0 352.4

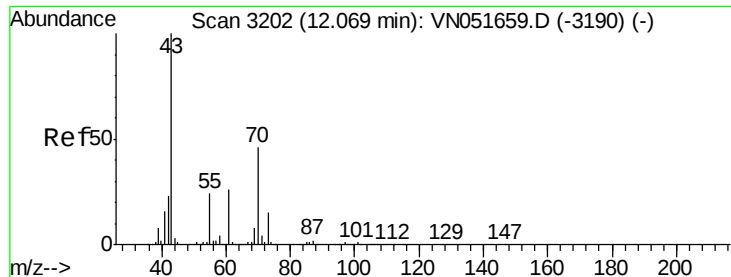


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

NM-STONE-DRUM-3

Tot Ion: 43 Resp: 83

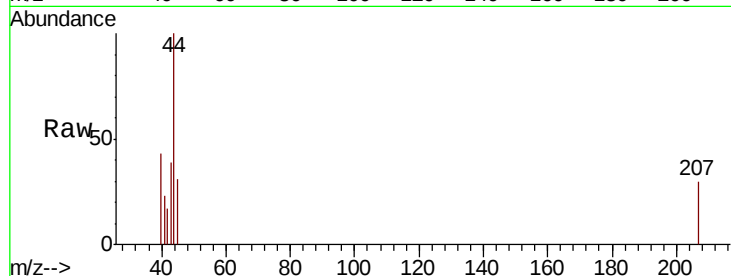
Ion Ratio Lower Upper

43 100

70 0.0 37.1 55.7#

55 0.0 19.1 28.7#

61 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

600

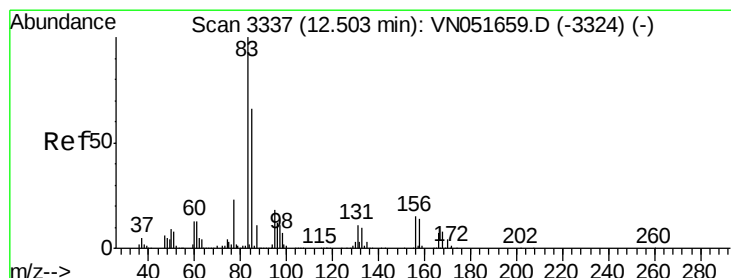
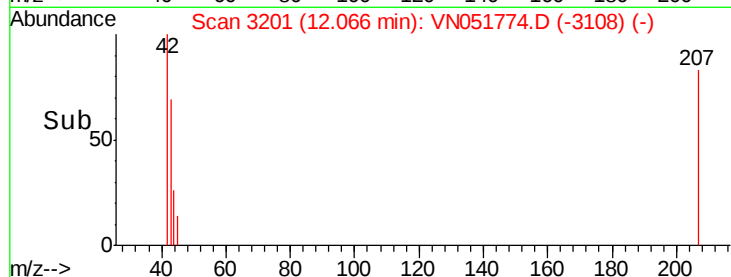
400

200

0

12.06 12.07

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

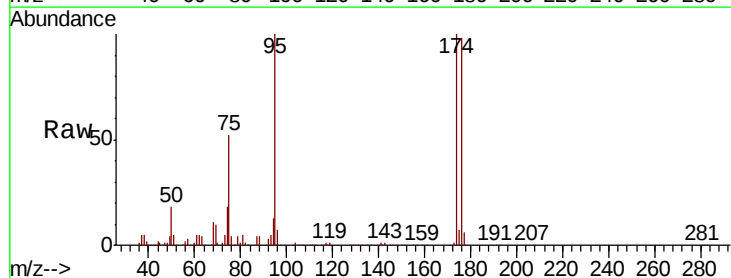
Tgt Ion: 83 Resp: 279

Ion Ratio Lower Upper

83 100

131 291.8 5.7 17.1#

85 0.0 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

600

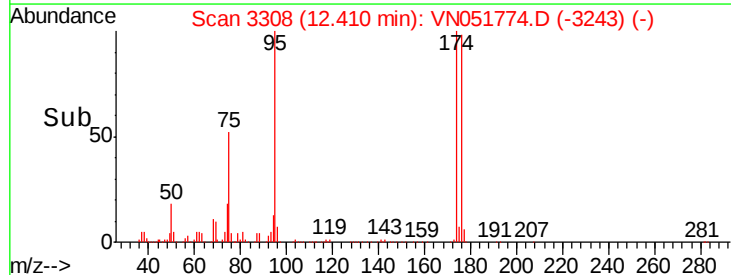
400

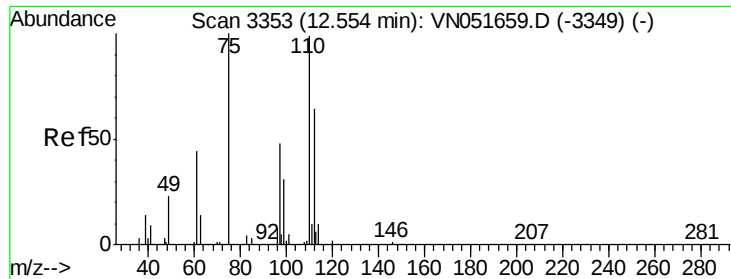
200

0

12.40 12.41 12.42

Time-->





#76

1,2,3-Trichloropropane

Concen: 52.112 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

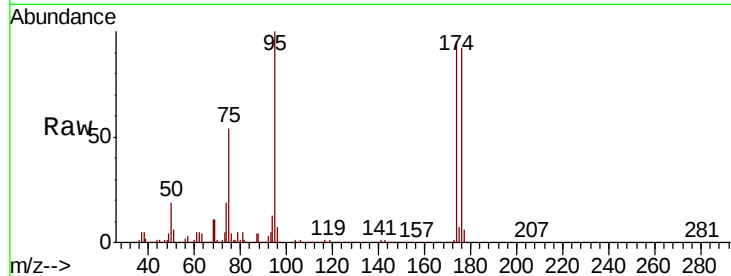
NM-STONE-DRUM-3

Tot Ion: 75 Resp: 220938

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

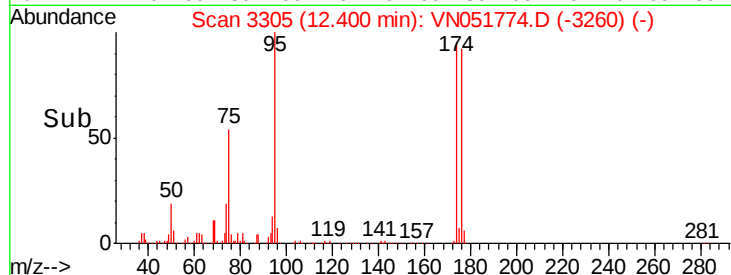
150000

100000

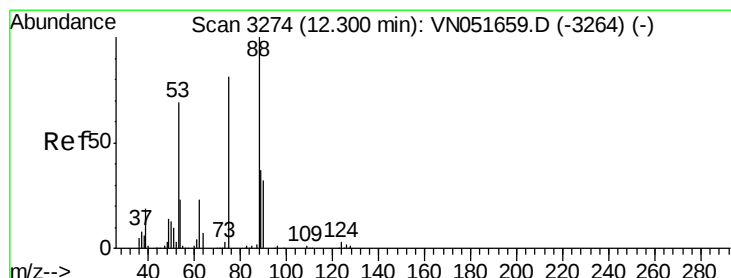
50000

0

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 118.628 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

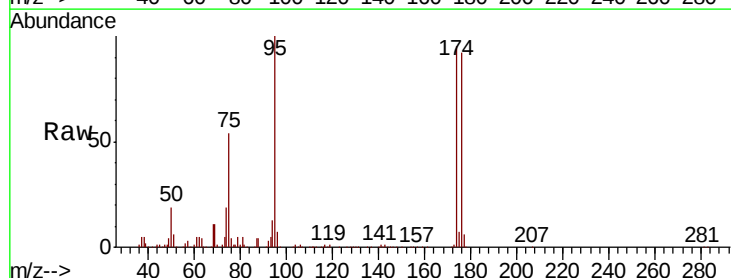
Tgt Ion: 75 Resp: 220938

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

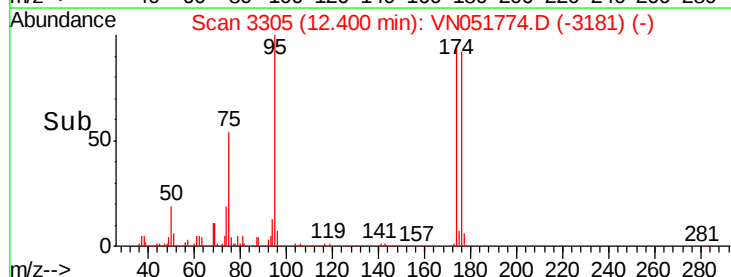
150000

100000

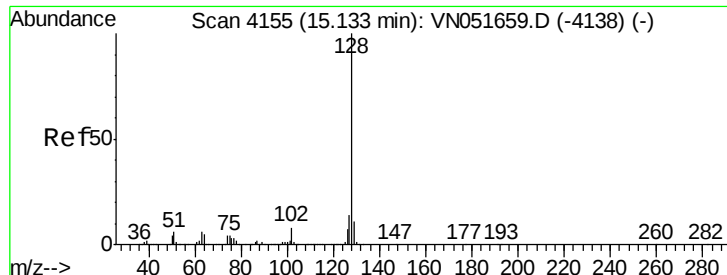
50000

0

Time-->



Time-->



#95

Naphthalene

Concen: 0.290 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051774.D

Acq: 10 Oct 2018 1:58

Instrument :

MSVOA_N

ClientSampleId :

NM-STONE-DRUM-3

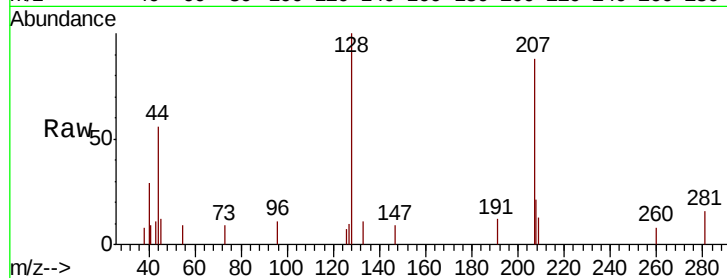
Tot Ion:128 Resp: 3449

Ion Ratio Lower Upper

128 100

127 9.7 10.6 15.8#

129 2.0 9.0 13.6#



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

