

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057991.D
 Acq On : 12 Sep 2019 23:46
 Operator : JC/SP
 Sample : K4680-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T3-1-(0)

Quant Time: Sep 13 04:52:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	237190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	438642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	389520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	190016	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	320730	66.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.52%	
35) Dibromofluoromethane	7.58	113	216558	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.09	98	759640	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.41	95	249745	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	

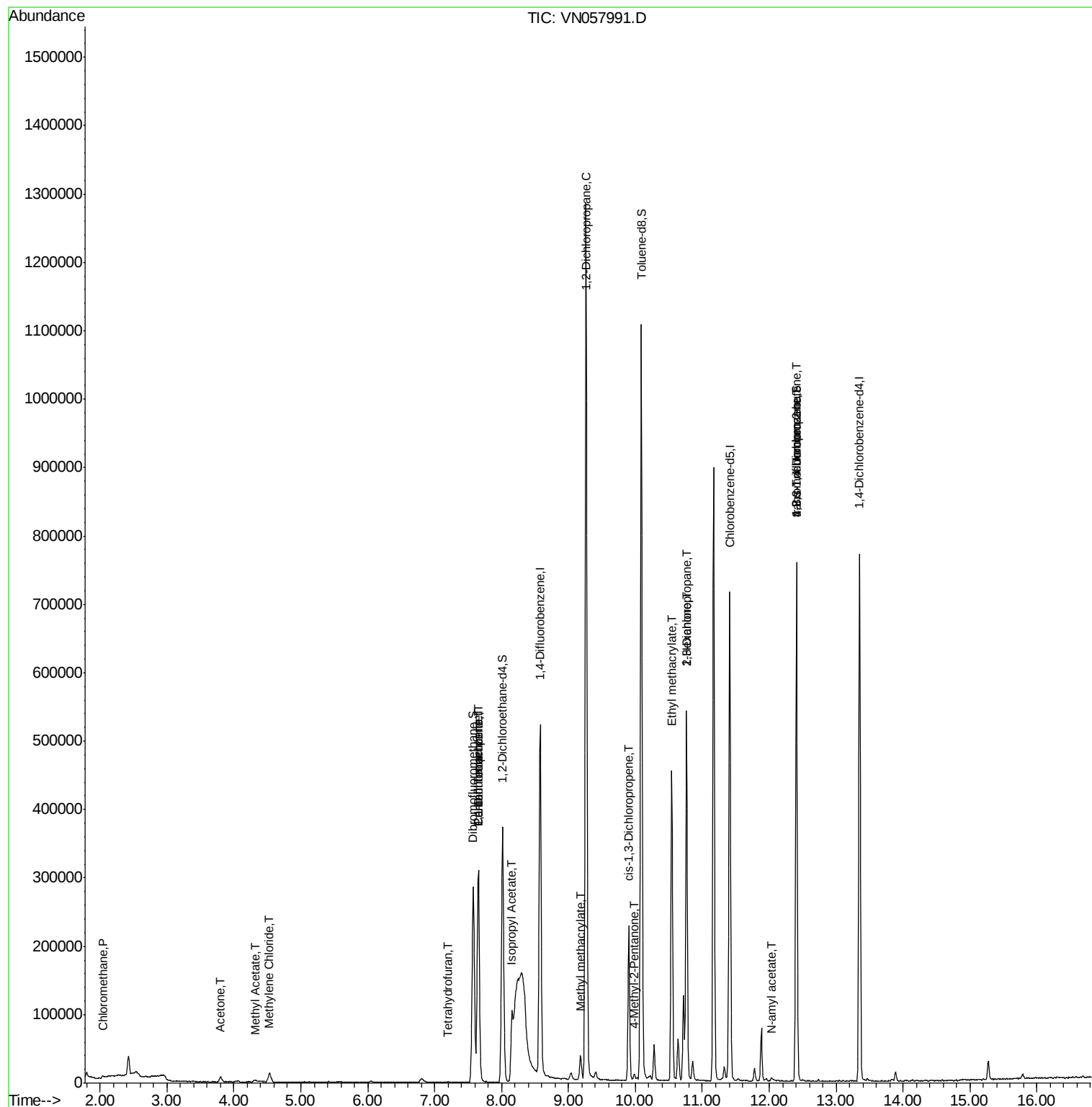
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	826	0.247	ug/l #	43
5) Bromomethane	2.54	94	343	Below Cal	#	52
16) Acetone	3.80	43	11483	7.291	ug/l	97
18) Methyl Acetate	4.31	43	5322	1.267	ug/l #	83
20) Methylene Chloride	4.53	84	9054	1.834	ug/l	99
29) Tetrahydrofuran	7.20	42	351	0.250	ug/l #	34
31) Cyclohexane	7.65	56	6518	Below Cal	#	12
36) 1,1-Dichloropropene	7.66	75	21620	4.250	ug/l #	50
38) Carbon Tetrachloride	7.65	117	24766	5.332	ug/l #	15
43) Isopropyl Acetate	8.16	43	133989	15.159	ug/l #	80
45) 1,2-Dichloropropane	9.26	63	1514	0.340	ug/l #	44
48) Methyl methacrylate	9.17	41	5169	1.153	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	3213	0.614	ug/l #	24
54) cis-1,3-Dichloropropene	9.90	75	36161	5.784	ug/l #	70
56) Ethyl methacrylate	10.54	69	1938	0.315	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	4922	0.699	ug/l #	43
59) 2-Hexanone	10.77	43	83751	21.363	ug/l #	55
74) N-amyl acetate	12.03	43	2859	0.446	ug/l #	48
76) 1,2,3-Trichloropropane	12.41	75	136179	31.681	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	136179	111.485	ug/l #	6
95) Naphthalene	15.13	128	773	Below Cal	#	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
Data File : VN057991.D
Acq On : 12 Sep 2019 23:46
Operator : JC/SP
Sample : K4680-31
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T3-1-(0)

Quant Time: Sep 13 04:52:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

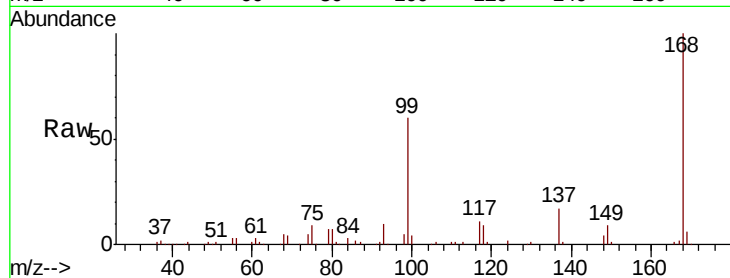
T3-1-(0)

Tgt Ion:168 Resp: 237190

Ion Ratio Lower Upper

168 100

99 60.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

100000

80000

60000

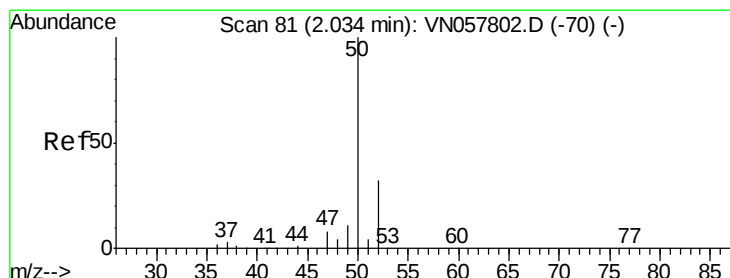
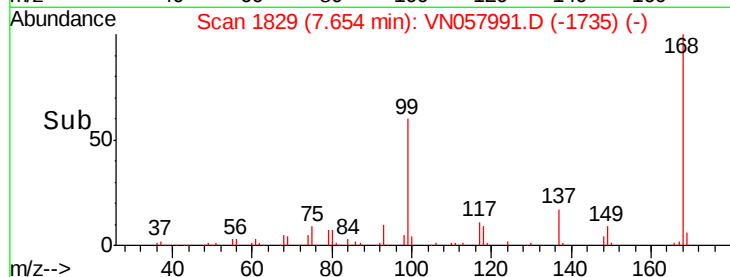
40000

20000

0

Time-->

7.60 7.70



#3

Chloromethane

Concen: 0.247 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.01 min

Lab File: VN057991.D

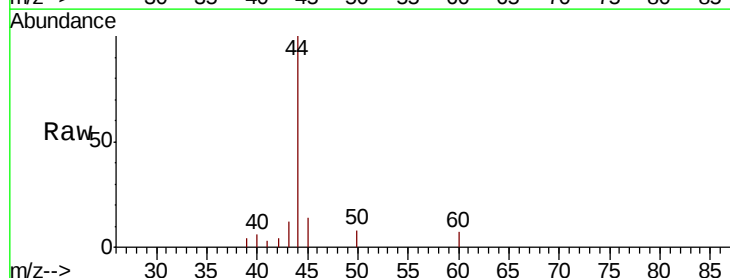
Acq: 12 Sep 2019 23:46

Tgt Ion: 50 Resp: 826

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

500

400

300

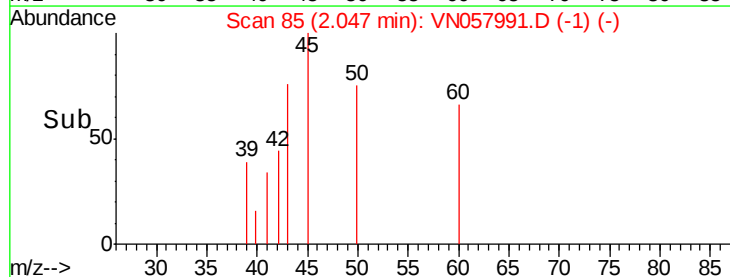
200

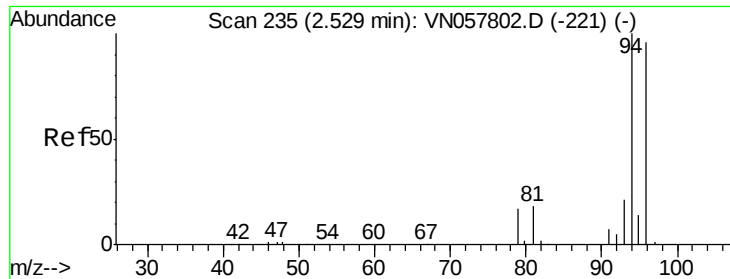
100

0

Time-->

2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

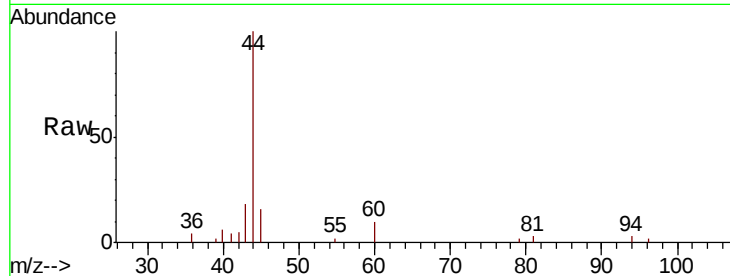
T3-1-(0)

Tgt Ion: 94 Resp: 343

Ion Ratio Lower Upper

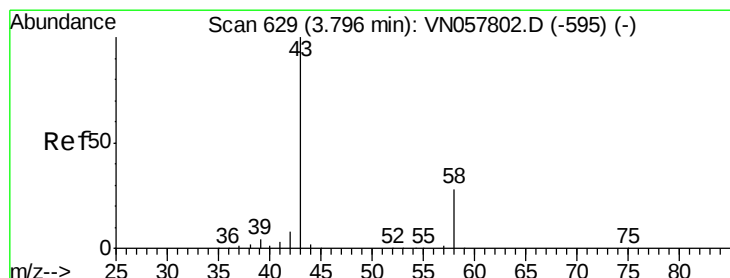
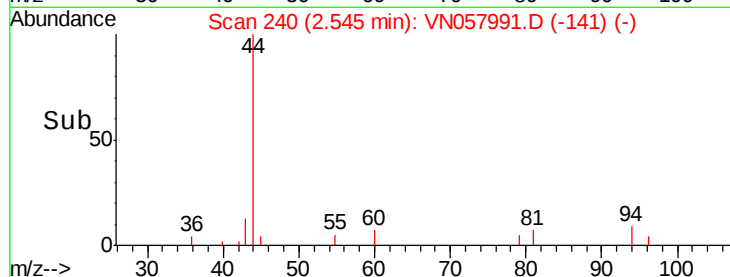
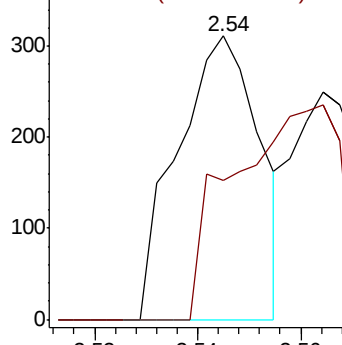
94 100

96 48.9 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 7.291 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057991.D

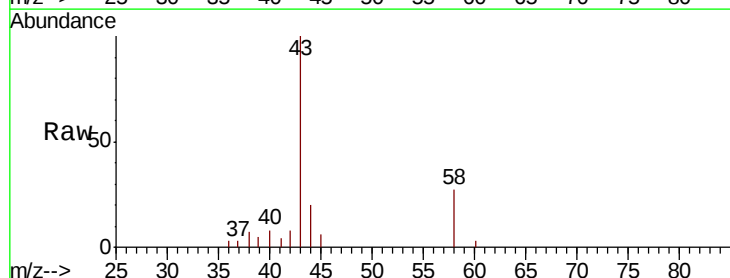
Acq: 12 Sep 2019 23:46

Tgt Ion: 43 Resp: 11483

Ion Ratio Lower Upper

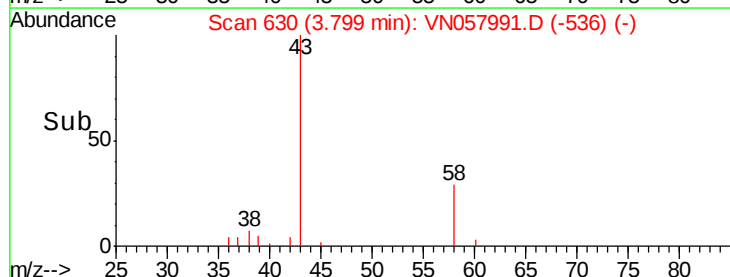
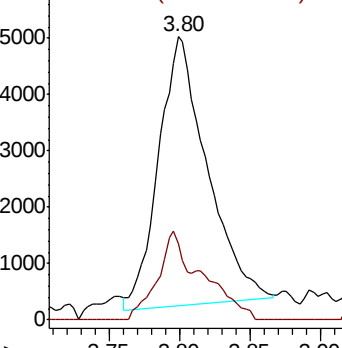
43 100

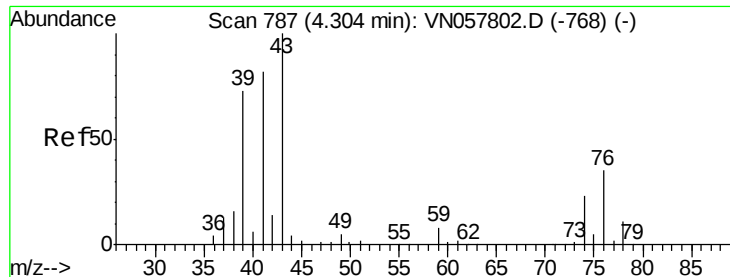
58 29.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

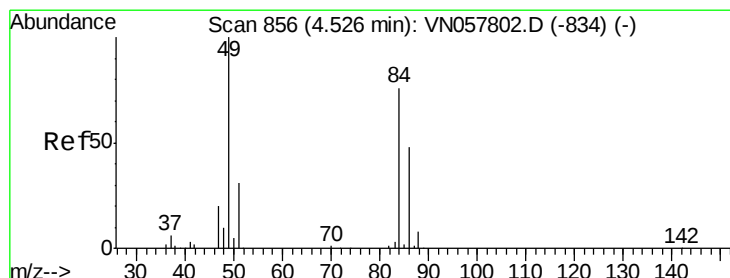
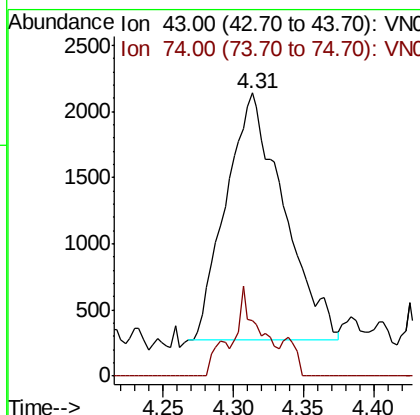
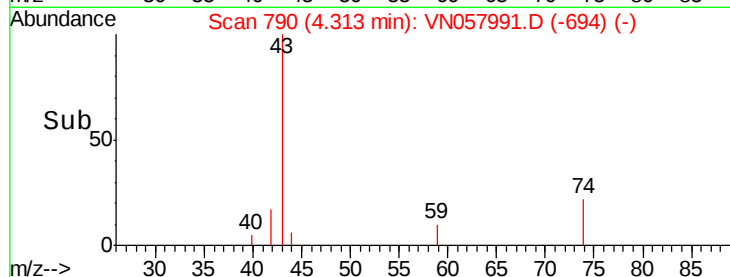
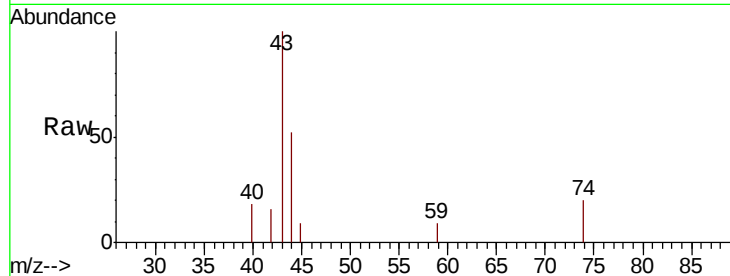




#18
Methyl Acetate
Concen: 1.267 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057991.D
Acq: 12 Sep 2019 23:46

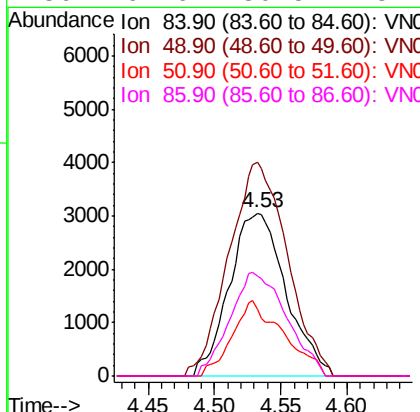
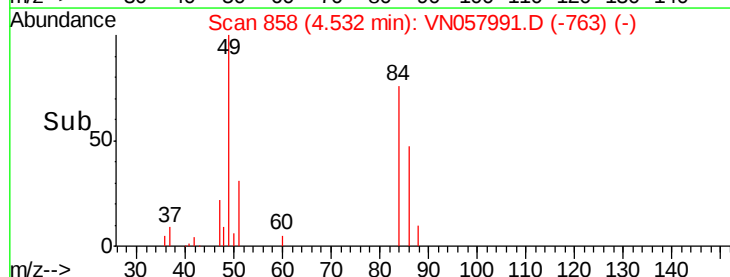
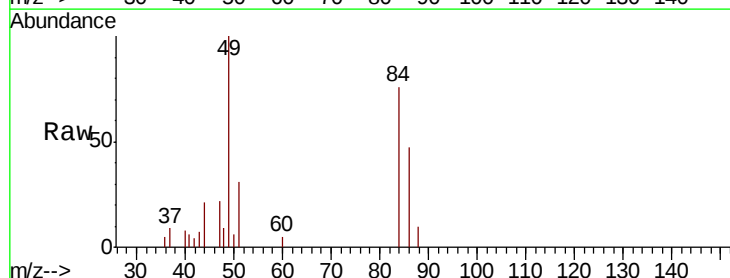
Instrument :
MSVOA_N
ClientSampleId :
T3-1-(0)

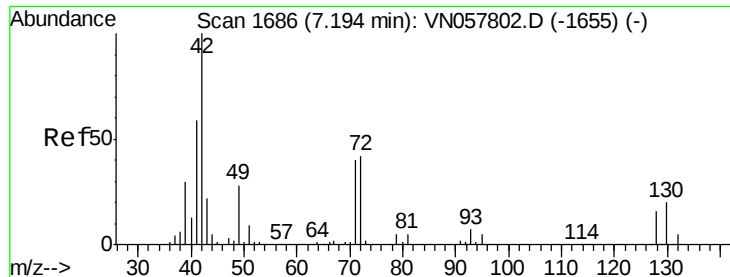
Tgt Ion: 43 Resp: 5322
Ion Ratio Lower Upper
43 100
74 14.1 17.9 26.9#



#20
Methylene Chloride
Concen: 1.834 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057991.D
Acq: 12 Sep 2019 23:46

Tgt Ion: 84 Resp: 9054
Ion Ratio Lower Upper
84 100
49 131.1 104.8 157.2
51 41.1 33.0 49.4
86 61.6 50.5 75.7





#29

Tetrahydrofuran

Concen: 0.250 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampled :

T3-1-(0)

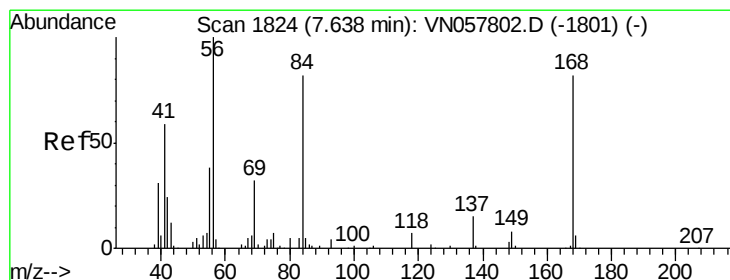
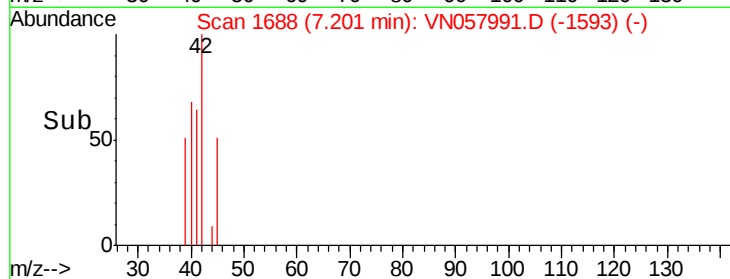
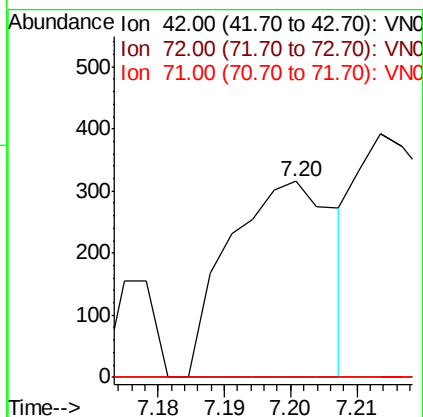
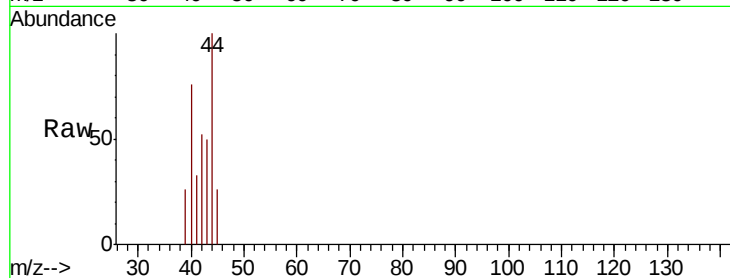
Tgt Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

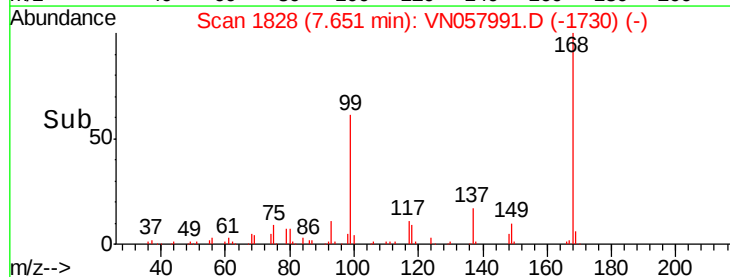
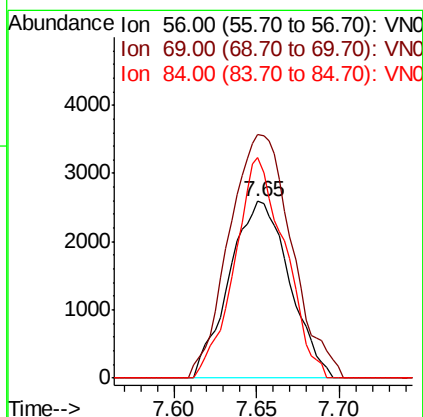
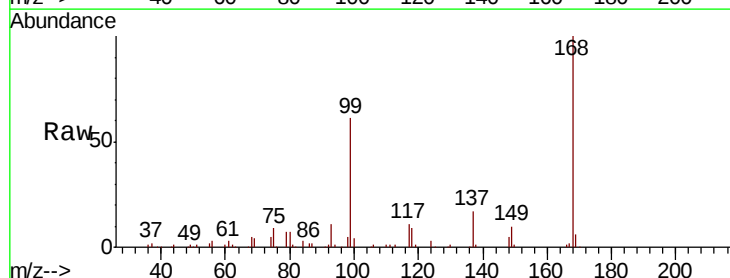
Tgt Ion: 56 Resp: 6518

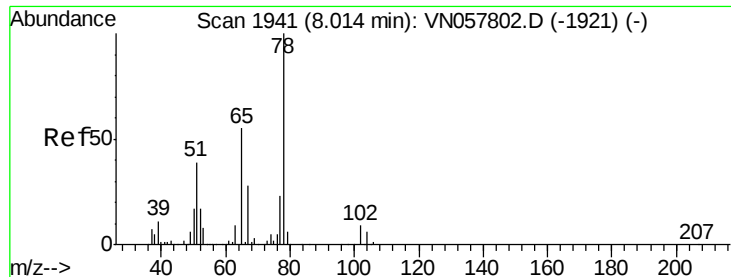
Ion Ratio Lower Upper

56 100

69 137.8 25.9 38.9#

84 125.0 65.6 98.4#

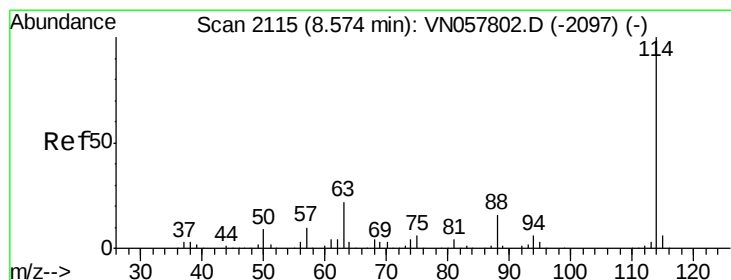
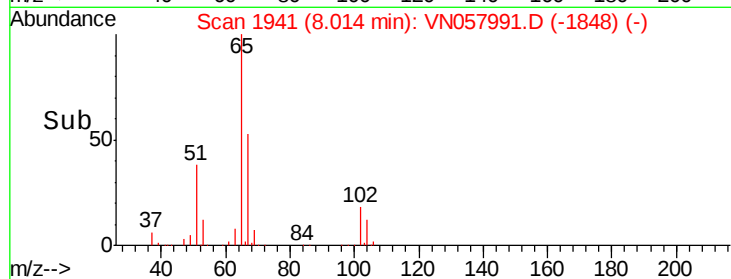
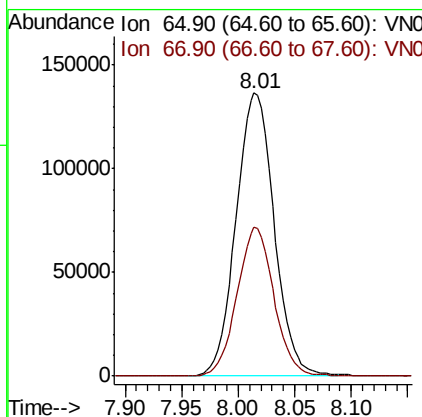
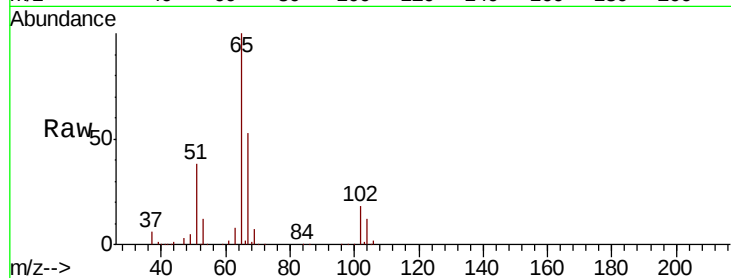




#33
 1,2-Dichloroethane-d4
 Concen: 66.762 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057991.D
 Acq: 12 Sep 2019 23:46

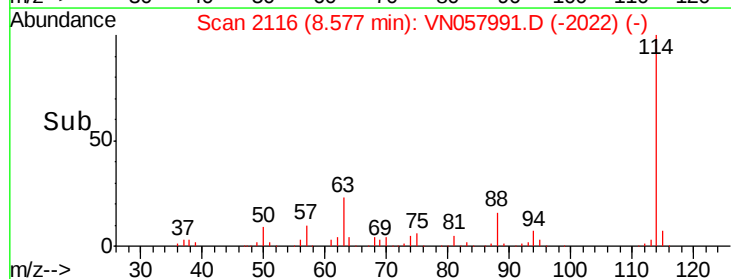
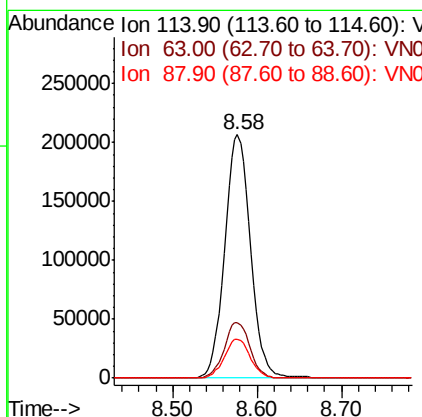
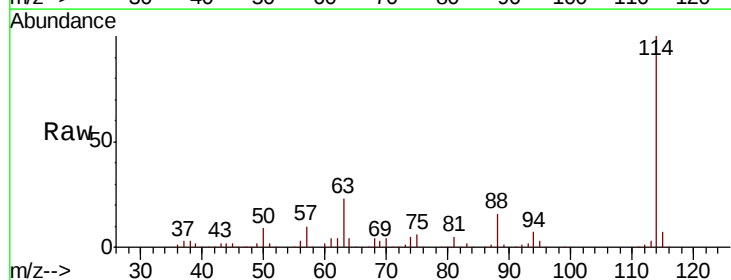
Instrument :
 MSVOA_N
 ClientSampleId :
 T3-1-(0)

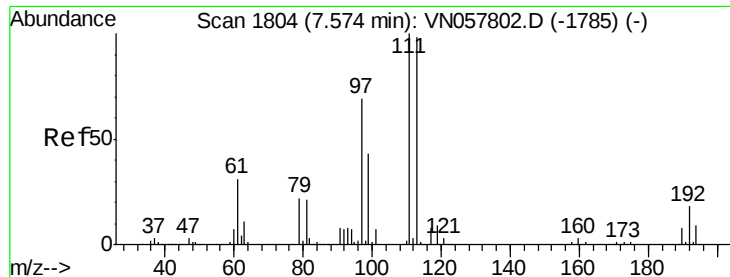
Tgt Ion: 65 Resp: 320730
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057991.D
 Acq: 12 Sep 2019 23:46

Tgt Ion: 114 Resp: 438642
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 16.0 0.0 31.4

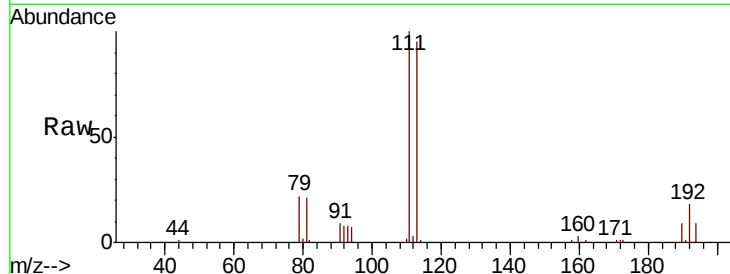




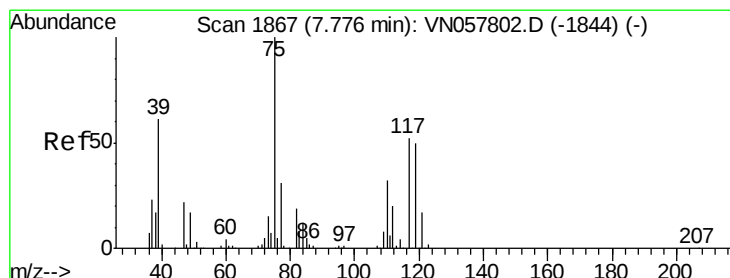
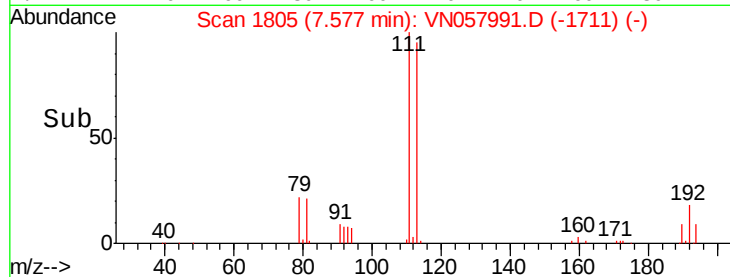
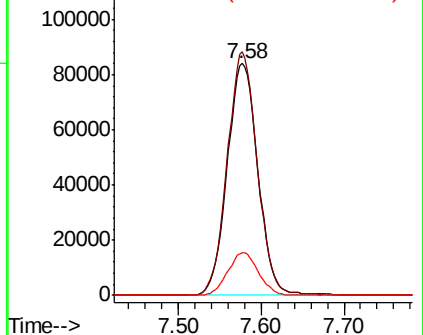
#35
 Dibromofluoromethane
 Concen: 53.491 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057991.D
 Acq: 12 Sep 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 T3-1-(0)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	18.4	14.6	22.0

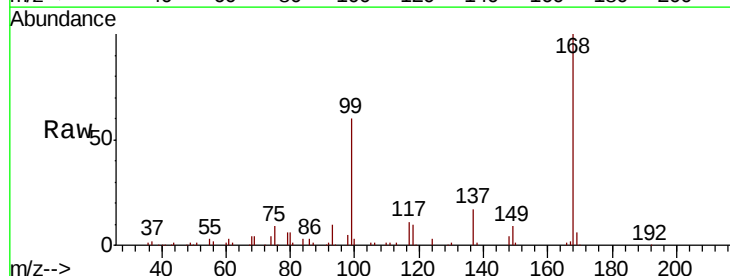


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

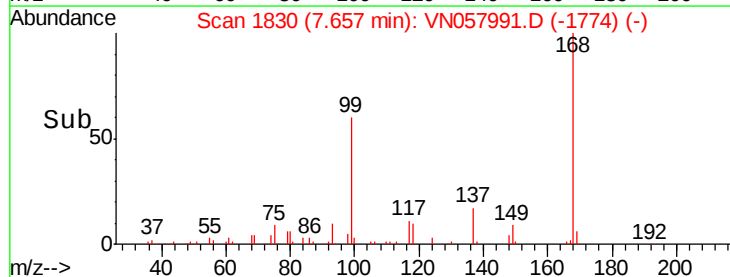
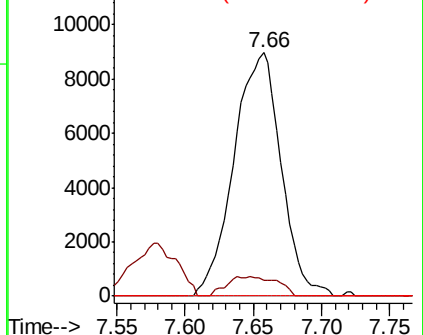


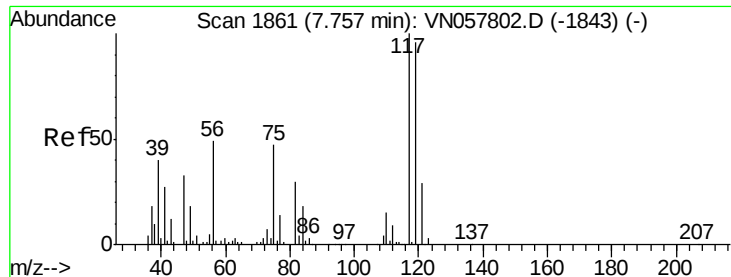
#36
 1,1-Dichloropropene
 Concen: 4.250 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.12 min
 Lab File: VN057991.D
 Acq: 12 Sep 2019 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.3	48.9#
77	0.0	25.0	37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 5.332 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampled :

T3-1-(0)

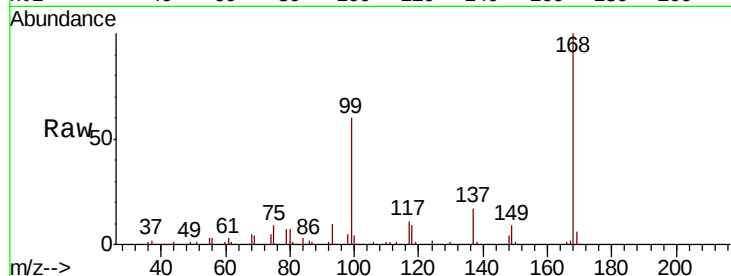
Tgt Ion:117 Resp: 24766

Ion Ratio Lower Upper

117 100

119 4.6 76.9 115.3#

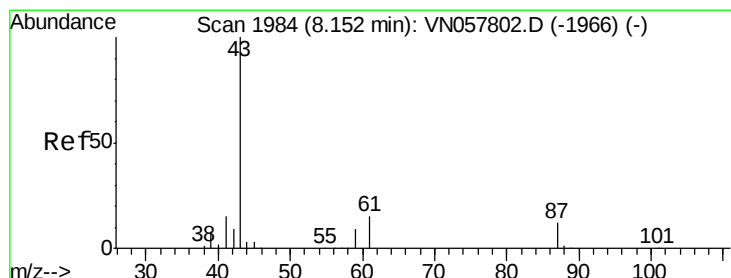
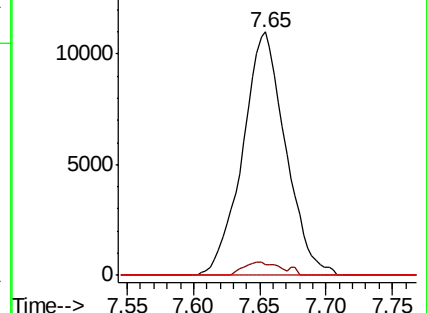
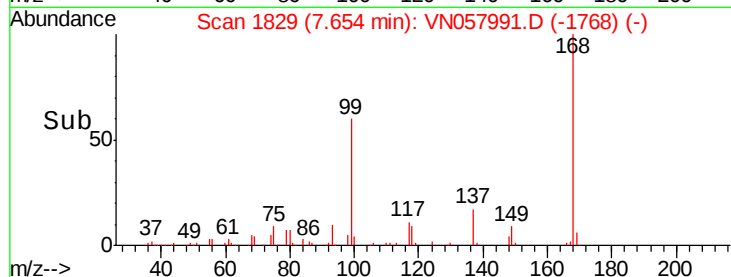
121 0.0 23.4 35.2#



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: 15.159 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

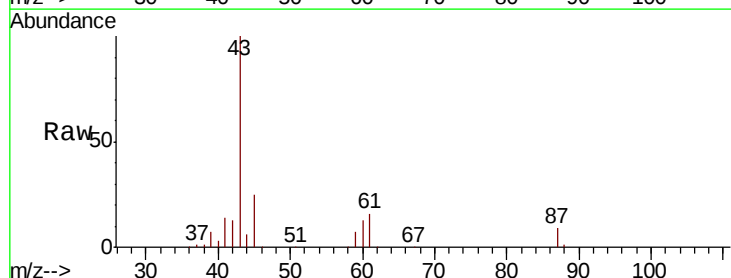
Tgt Ion: 43 Resp: 133989

Ion Ratio Lower Upper

43 100

61 12.7 20.1 30.1#

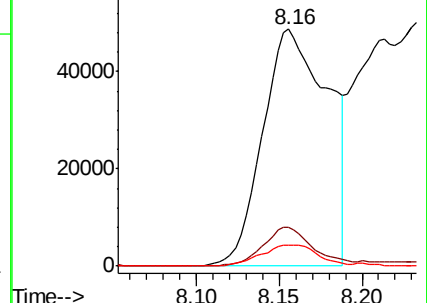
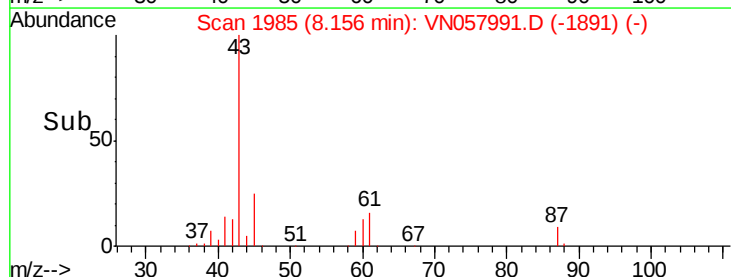
87 7.7 9.5 14.3#

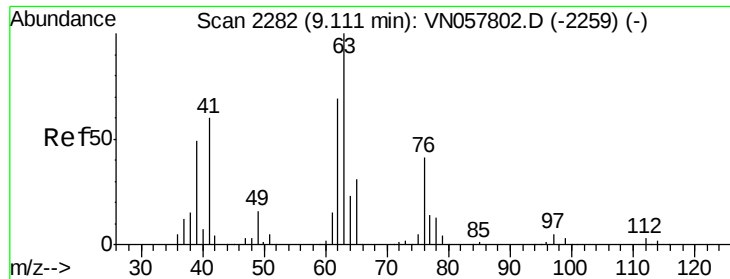


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

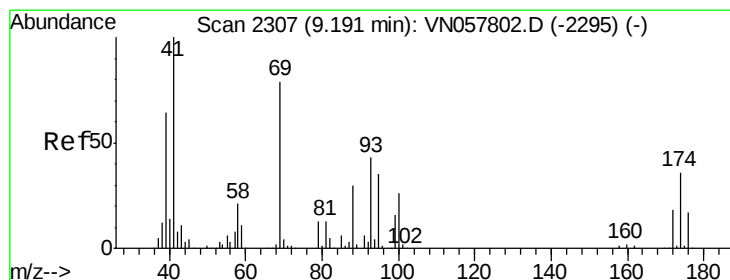
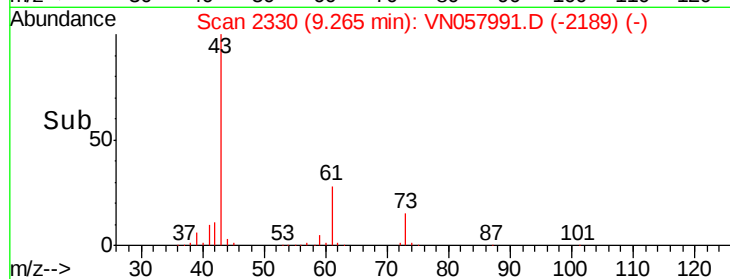
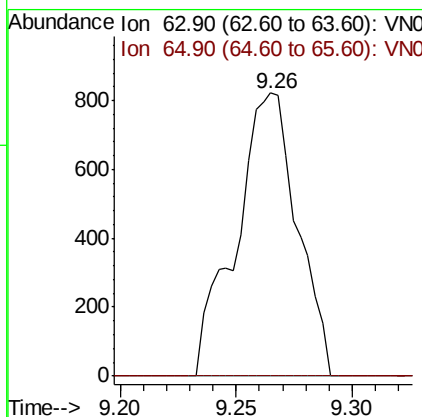
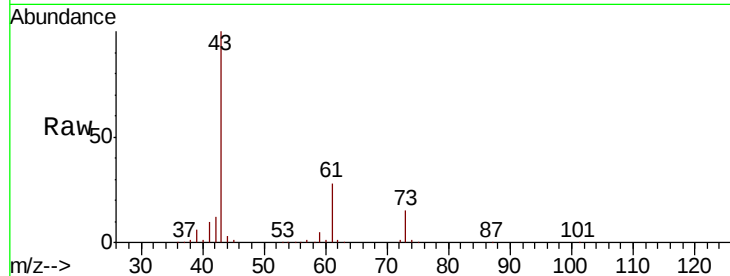




#45
 1,2-Dichloropropane
 Concen: 0.340 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN057991.D
 Acq: 12 Sep 2019 23:46

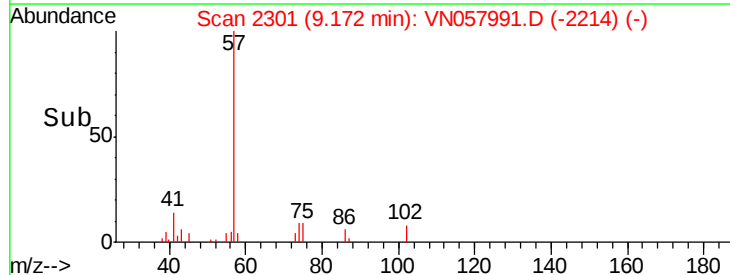
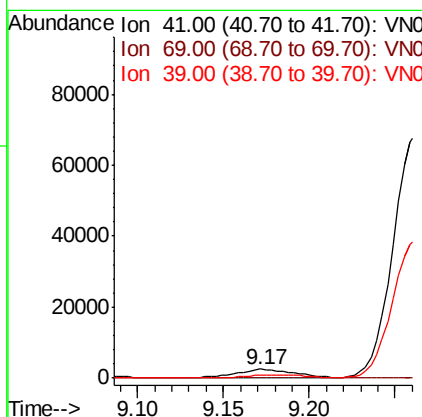
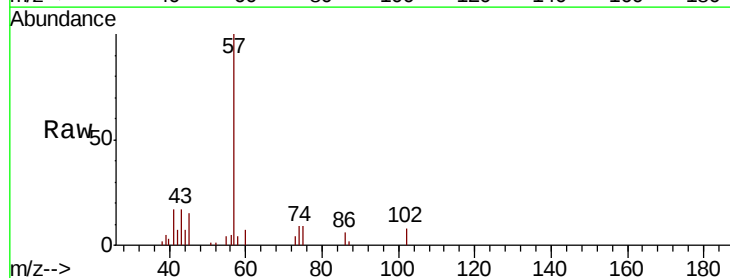
Instrument :
 MSVOA_N
 ClientSampled :
 T3-1-(0)

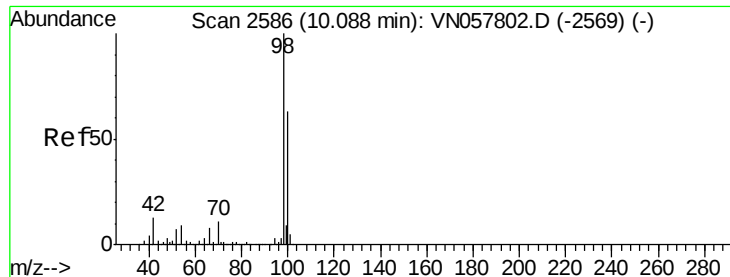
Tgt Ion: 63 Resp: 1514
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.153 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.02 min
 Lab File: VN057991.D
 Acq: 12 Sep 2019 23:46

Tgt Ion: 41 Resp: 5169
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.7 94.1#
 39 0.0 52.7 79.1#





#50

Toluene-d8

Concen: 48.328 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampled :

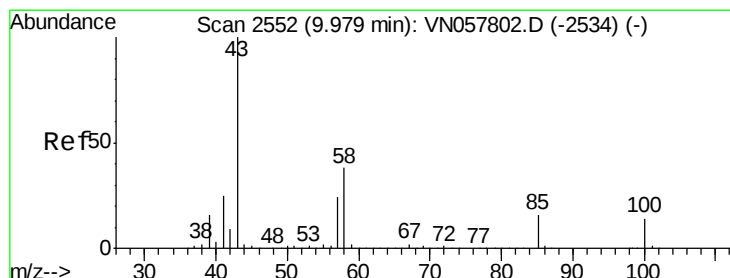
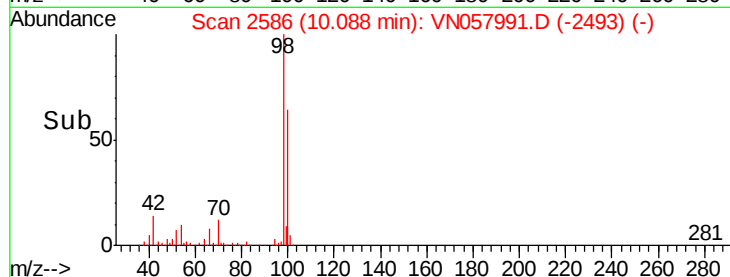
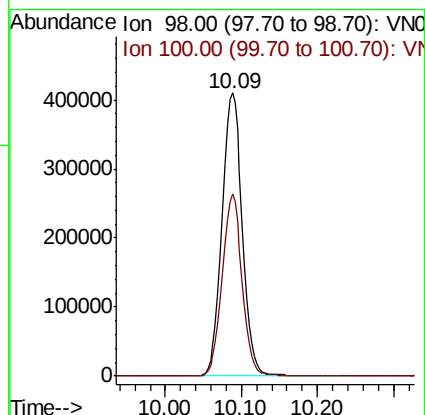
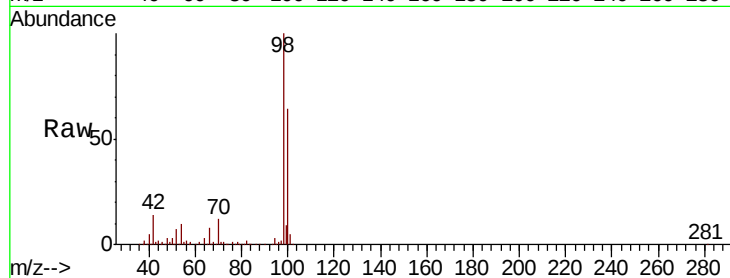
T3-1-(0)

Tgt Ion: 98 Resp: 759640

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 0.614 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057991.D

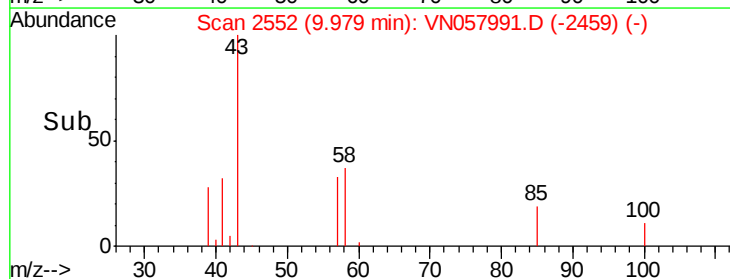
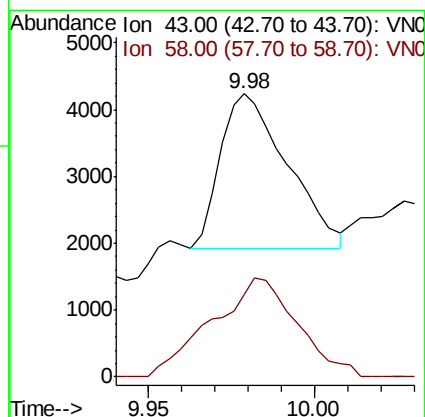
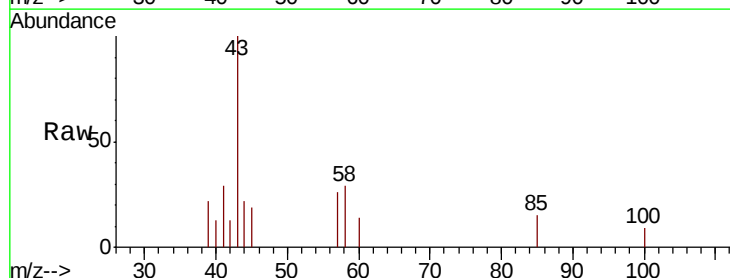
Acq: 12 Sep 2019 23:46

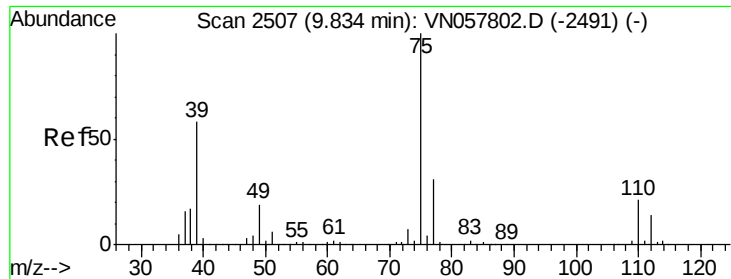
Tgt Ion: 43 Resp: 3213

Ion Ratio Lower Upper

43 100

58 82.4 29.8 44.6#



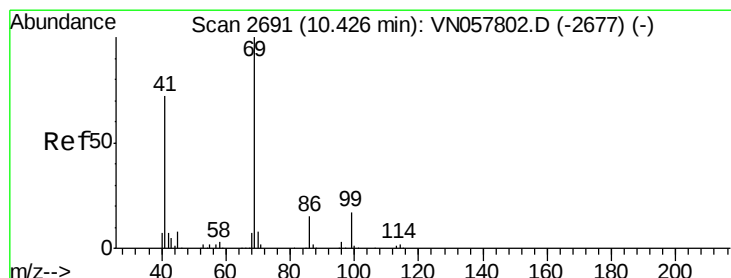
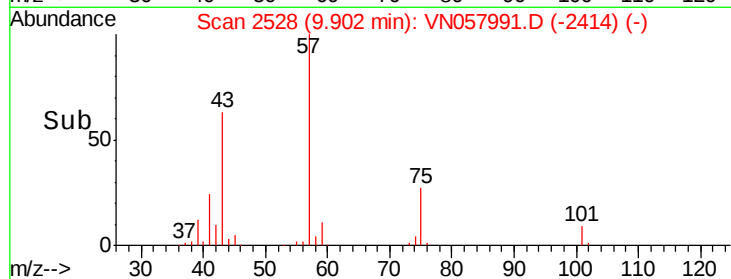
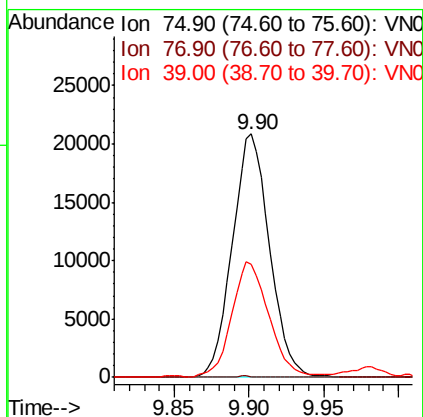
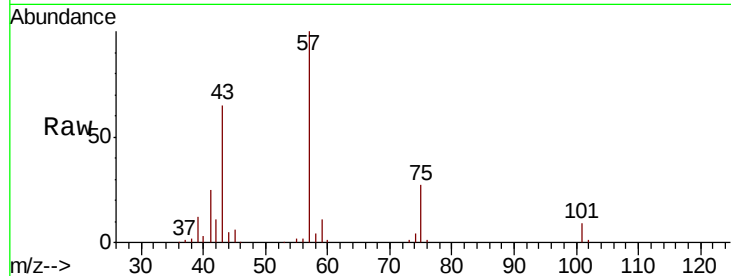


#54

cis-1,3-Dichloropropene
Concen: 5.784 ug/l
RT: 9.90 min Scan# 2528
Delta R.T. 0.07 min
Lab File: VN057991.D
Acq: 12 Sep 2019 23:46

Instrument :
MSVOA_N
ClientSampled :
T3-1-(0)

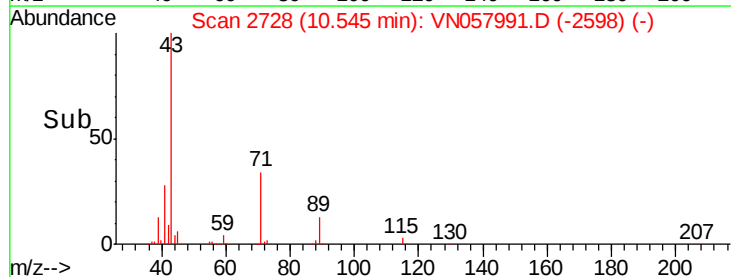
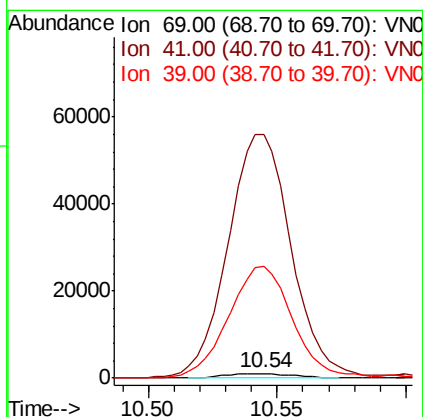
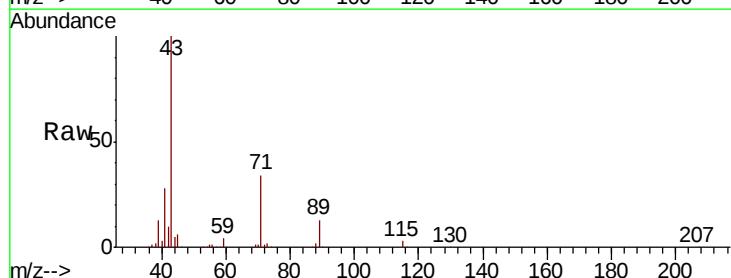
Tgt Ion: 75 Resp: 36161
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 46.4 46.2 69.4

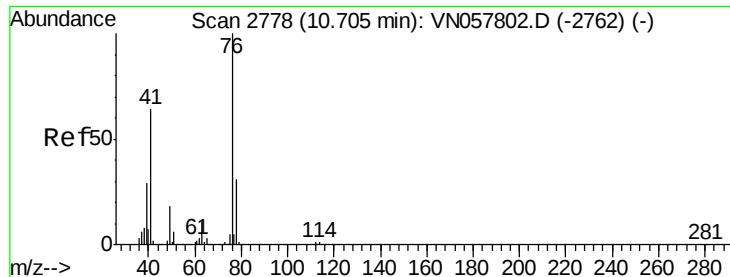


#56

Ethyl methacrylate
Concen: 0.315 ug/l
RT: 10.54 min Scan# 2728
Delta R.T. 0.12 min
Lab File: VN057991.D
Acq: 12 Sep 2019 23:46

Tgt Ion: 69 Resp: 1938
Ion Ratio Lower Upper
69 100
41 4955.5 56.7 85.1#
39 2254.7 36.3 54.5#





#57

1,3-Dichloropropane

Concen: 0.699 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

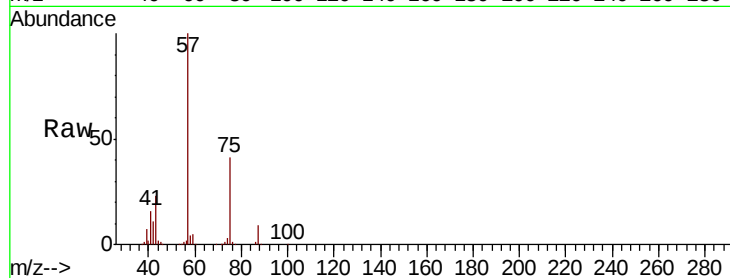
T3-1-(0)

Tgt Ion: 76 Resp: 4922

Ion Ratio Lower Upper

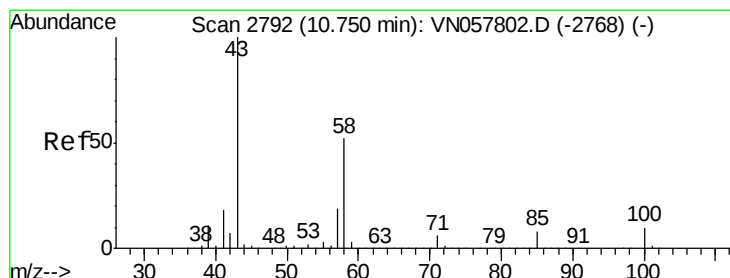
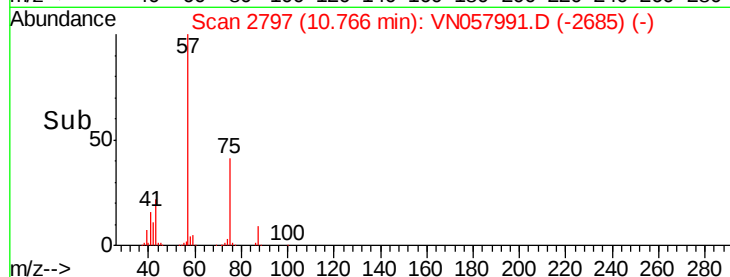
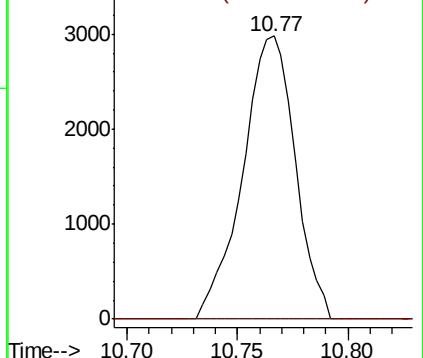
76 100

78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 21.363 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN057991.D

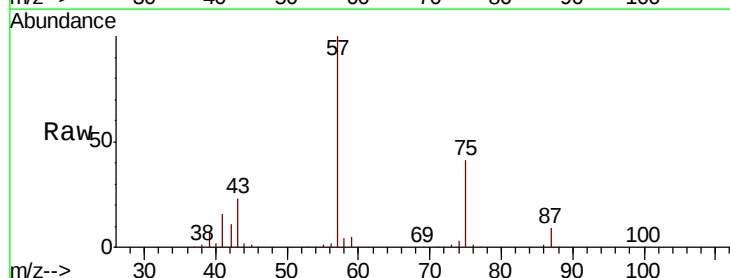
Acq: 12 Sep 2019 23:46

Tgt Ion: 43 Resp: 83751

Ion Ratio Lower Upper

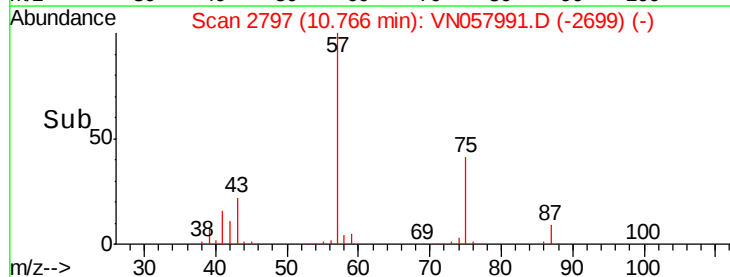
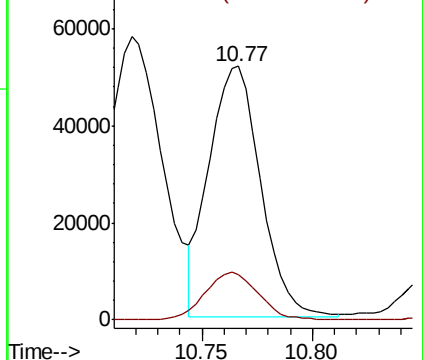
43 100

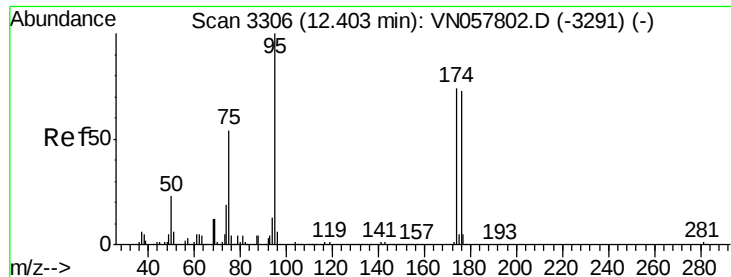
58 19.7 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 41.693 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

T3-1-(0)

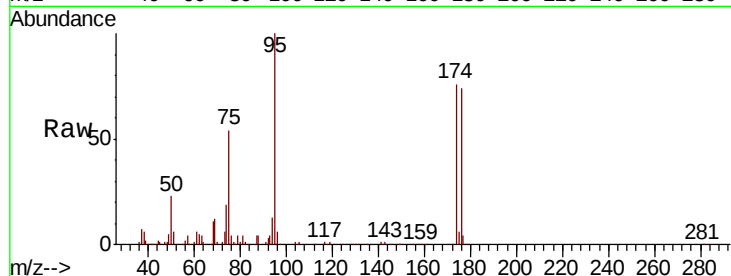
Tgt Ion: 95 Resp: 249745

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 72.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

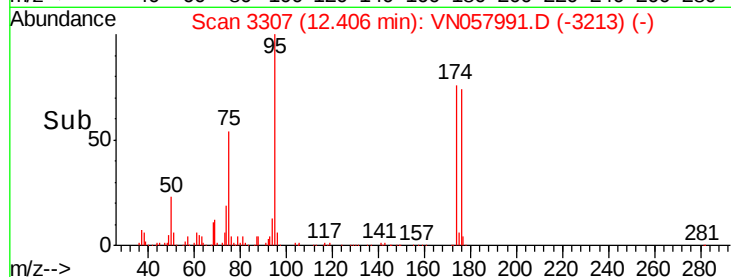
Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

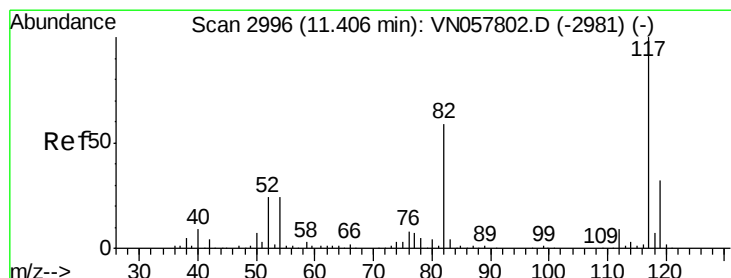
12.41

12.40

12.50



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

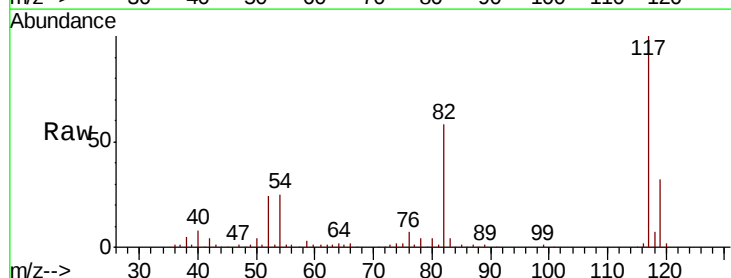
Tgt Ion: 117 Resp: 389520

Ion Ratio Lower Upper

117 100

82 58.2 47.2 70.8

119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

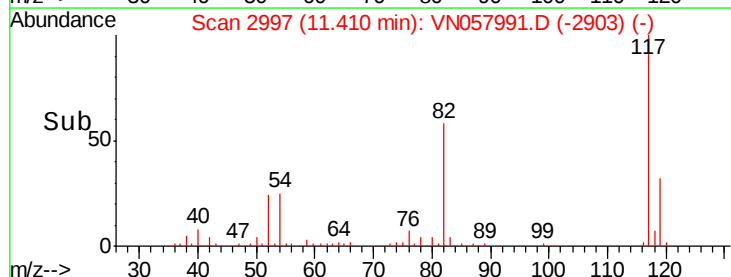
Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

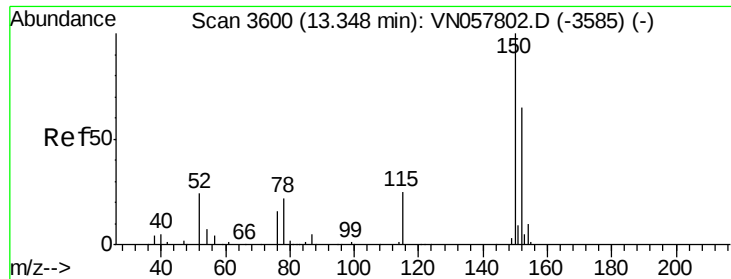
11.41

11.40

11.50



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

T3-1-(0)

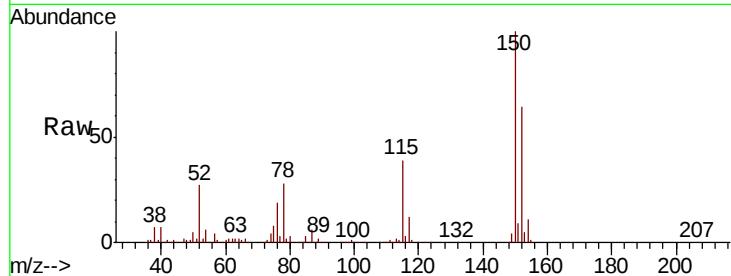
Tgt Ion:152 Resp: 190016

Ion Ratio Lower Upper

152 100

115 61.9 30.3 91.0

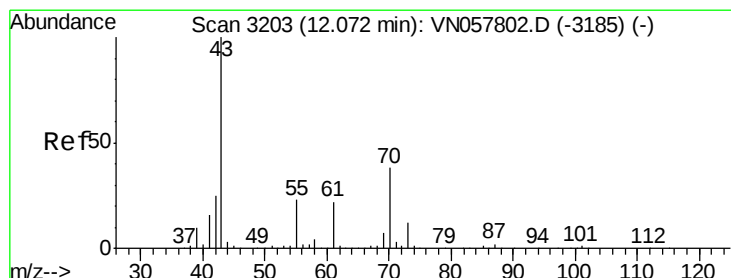
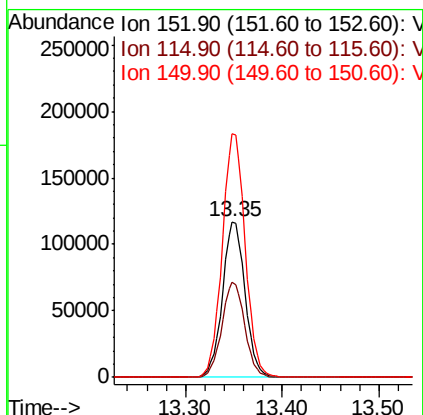
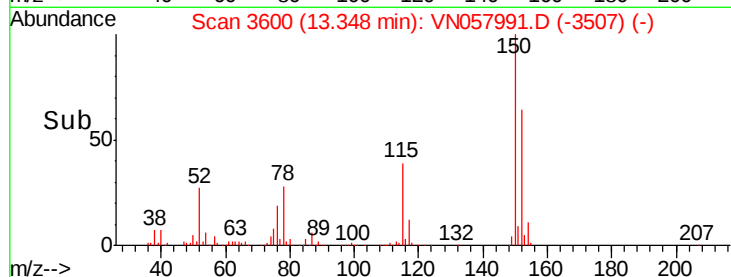
150 158.2 0.0 352.4



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-ethyl acetate

Concen: 0.446 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Tgt Ion: 43 Resp: 2859

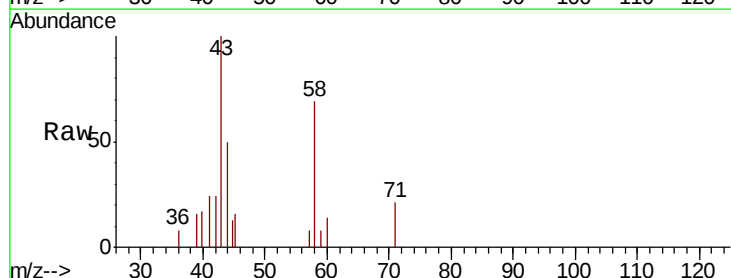
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 4.9 18.6 27.8#

61 0.0 17.4 26.2#

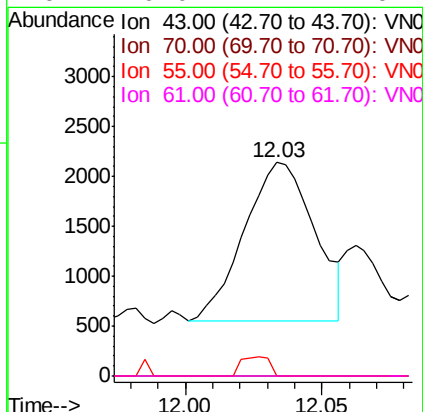
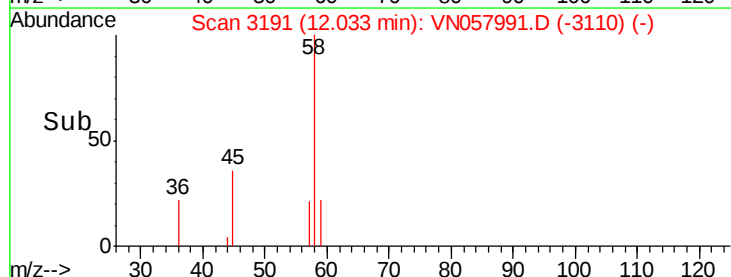


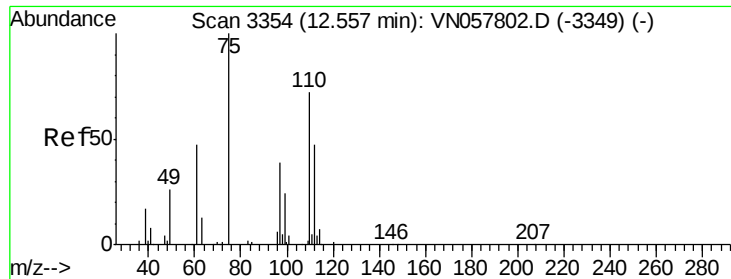
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 31.681 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

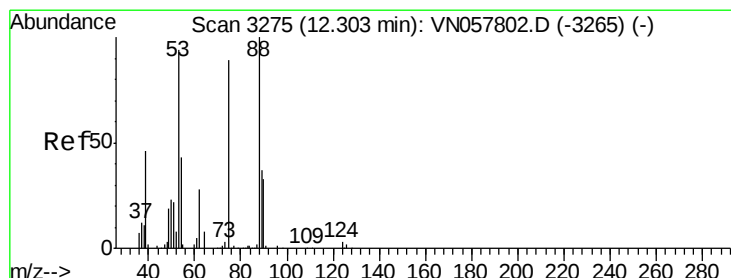
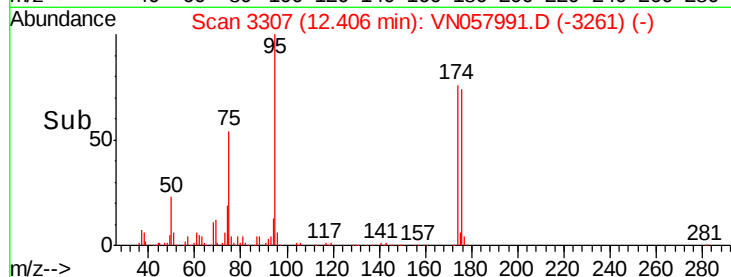
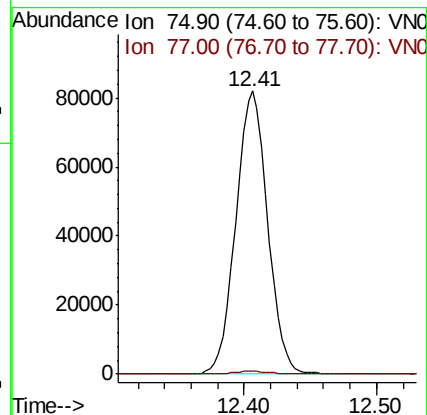
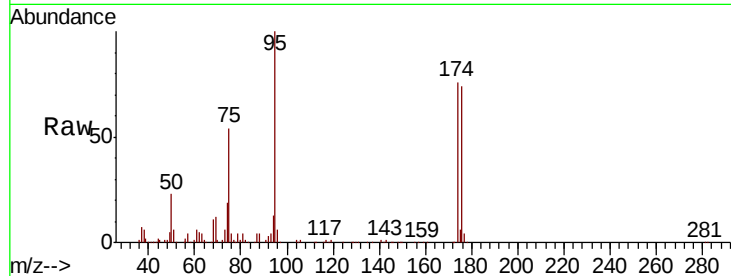
T3-1-(0)

Tgt Ion: 75 Resp: 136179

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.485 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057991.D

Acq: 12 Sep 2019 23:46

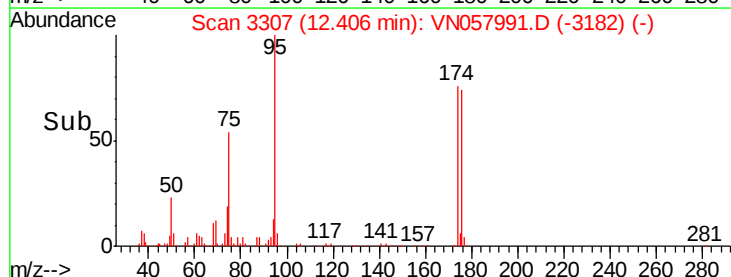
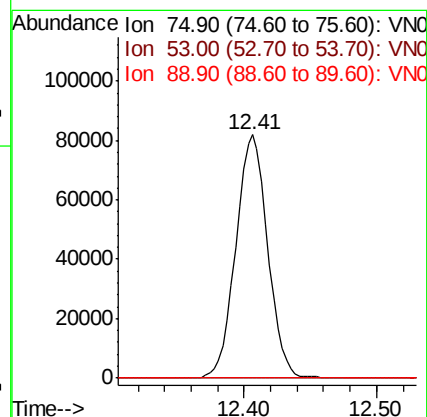
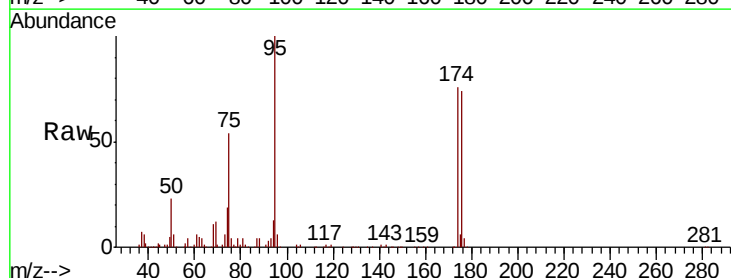
Tgt Ion: 75 Resp: 136179

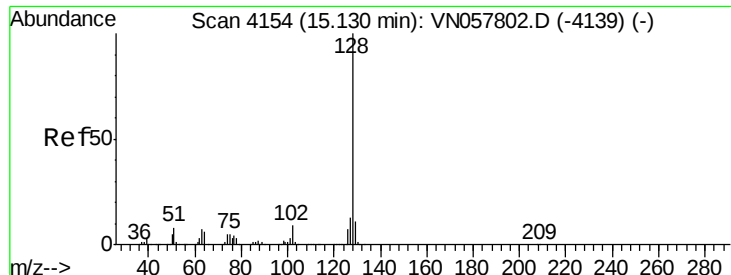
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057991.D
Acq: 12 Sep 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :
T3-1-(0)

Tgt Ion:128 Resp: 773
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

