

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057937.D
 Acq On : 11 Sep 2019 20:32
 Operator : JC/SP
 Sample : K4836-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Quant Time: Sep 12 02:31:42 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	290214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	321512	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
35) Dibromofluoromethane	7.58	113	220862	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.09	98	875043	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.41	95	285267	42.32	ug/l	0.00
Spiked Amount			Recovery	=	84.64%	

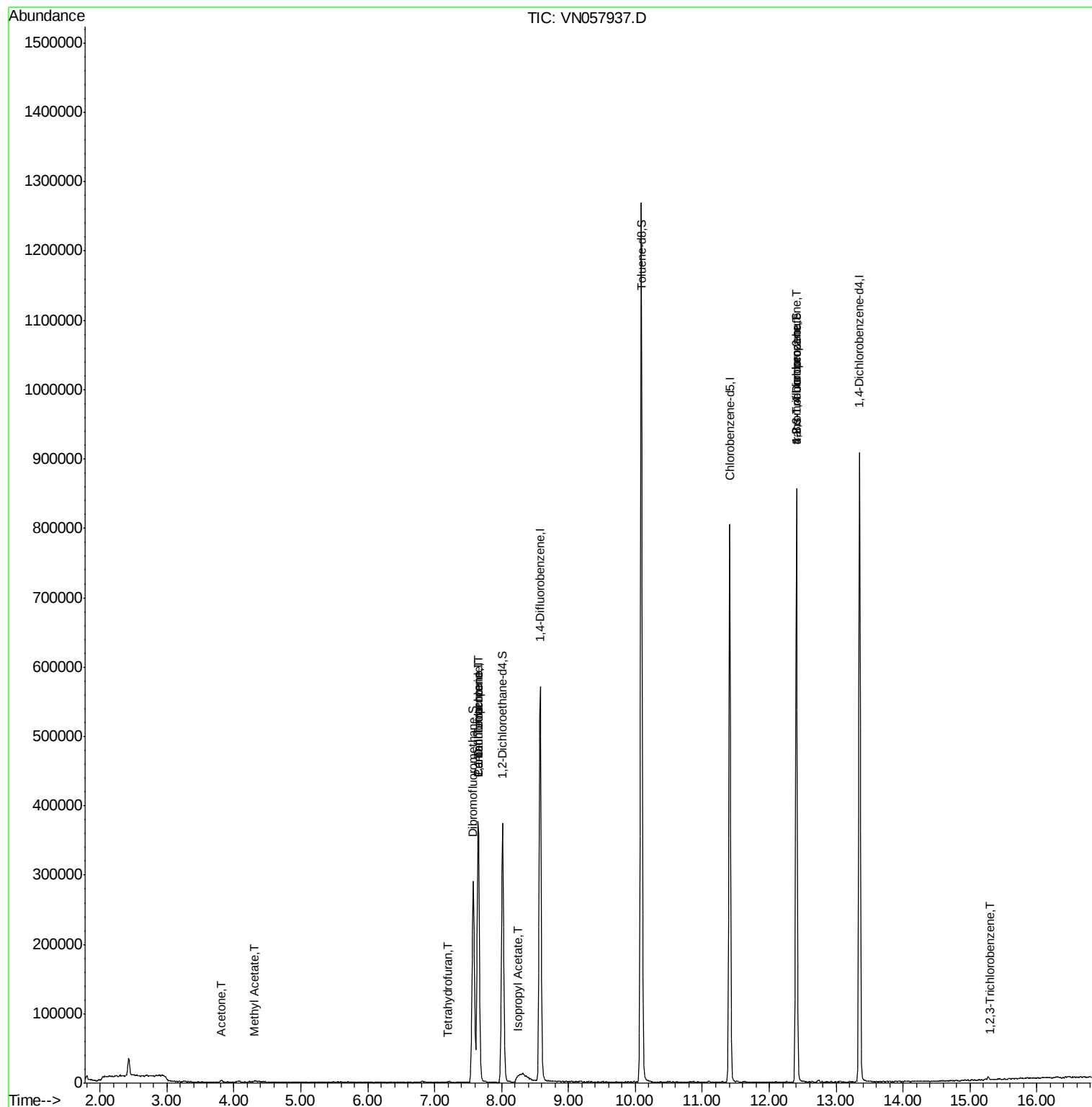
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	286	Below Cal	#	2
16) Acetone	3.81	43	5277	2.739	ug/l	96
18) Methyl Acetate	4.30	43	1368	0.266	ug/l #	52
20) Methylene Chloride	4.53	84	88	Below Cal	#	8
29) Tetrahydrofuran	7.20	42	739	0.430	ug/l #	34
31) Cyclohexane	7.65	56	8170	Below Cal	#	26
36) 1,1-Dichloropropene	7.65	75	25258	4.413	ug/l #	47
38) Carbon Tetrachloride	7.65	117	30222	5.783	ug/l #	16
43) Isopropyl Acetate	8.24	43	7711	0.775	ug/l #	56
76) 1,2,3-Trichloropropane	12.41	75	155649	30.524	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	155649	107.414	ug/l #	6
95) Naphthalene	15.14	128	957	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	94	1.018	ug/l #	12

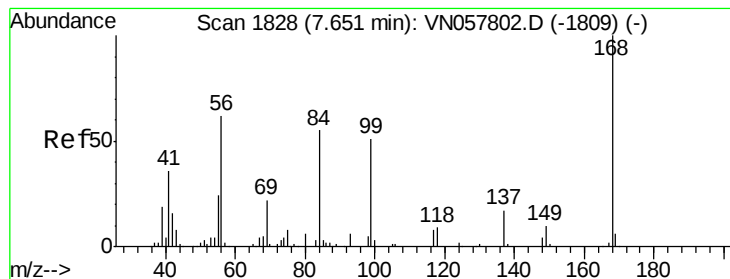
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

Instrument :

MSVOA_N

ClientSampled :

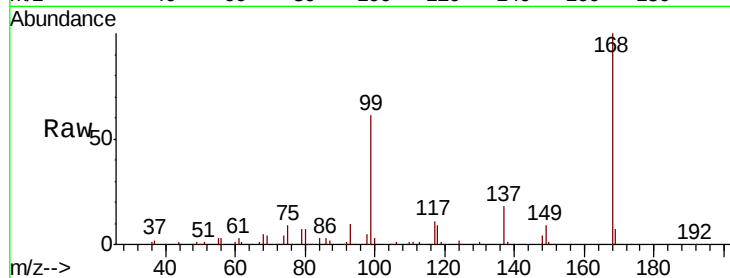
TRIP

Tgt Ion: 168 Resp: 290214

Ion Ratio Lower Upper

168 100

99 61.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

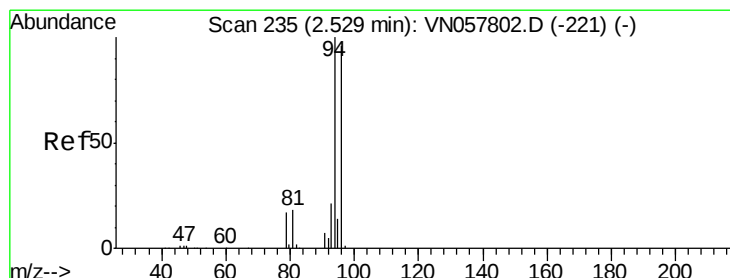
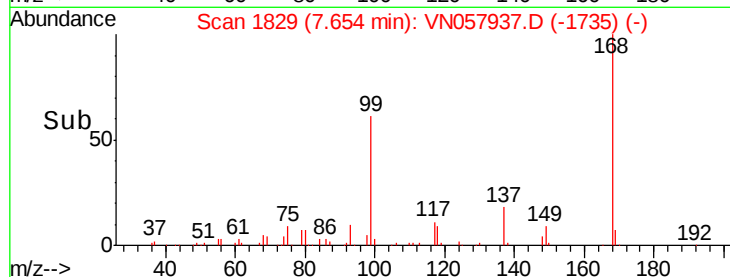
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057937.D

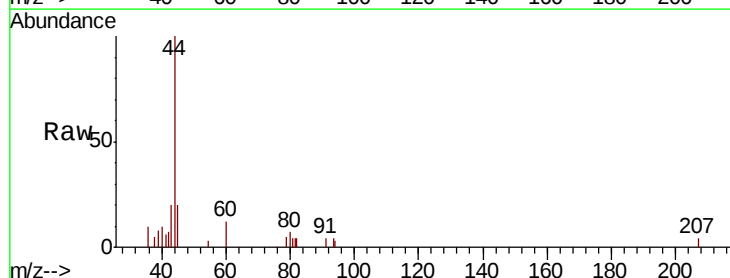
Acq: 11 Sep 2019 20:32

Tgt Ion: 94 Resp: 286

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

400

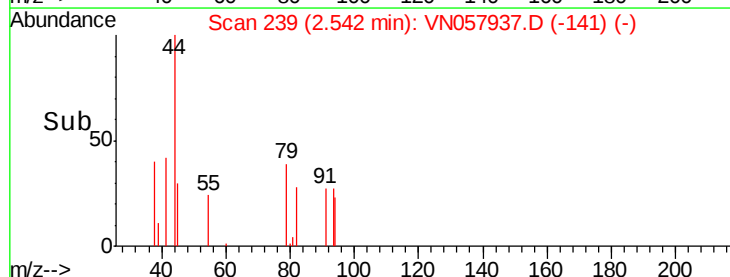
300

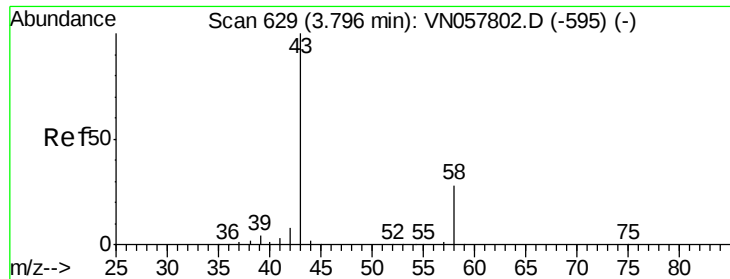
200

100

0

Time-->





#16

Acetone

Concen: 2.739 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

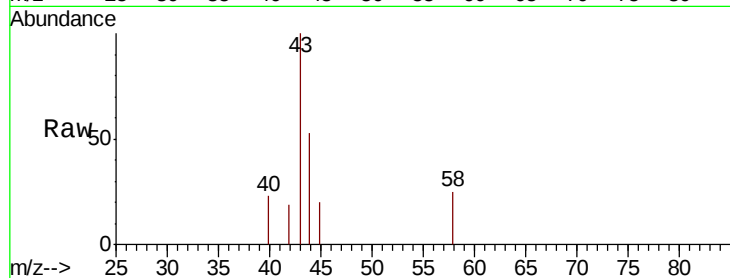
TRIP

Tgt Ion: 43 Resp: 5277

Ion Ratio Lower Upper

43 100

58 25.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.81

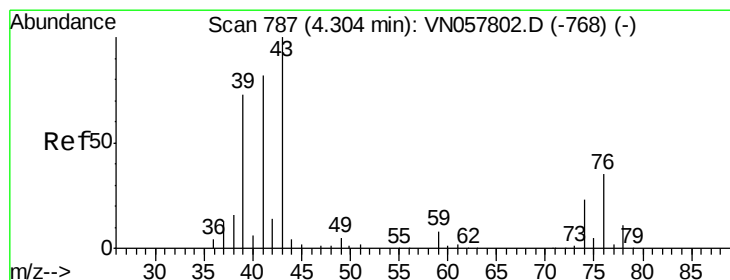
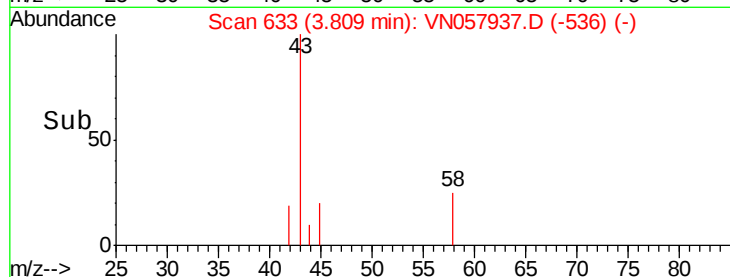
1500

1000

500

0

Time--> 3.70 3.80 3.90



#18

Methyl Acetate

Concen: 0.266 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057937.D

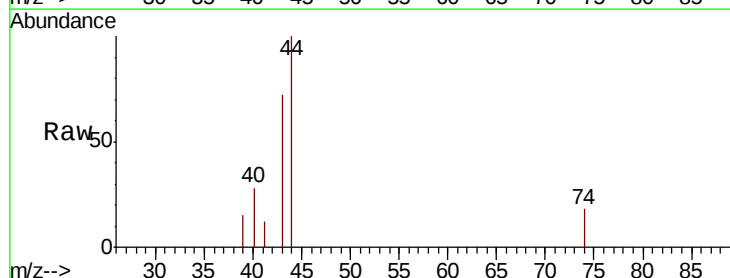
Acq: 11 Sep 2019 20:32

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

74 45.3 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)

4.30

1200

1000

800

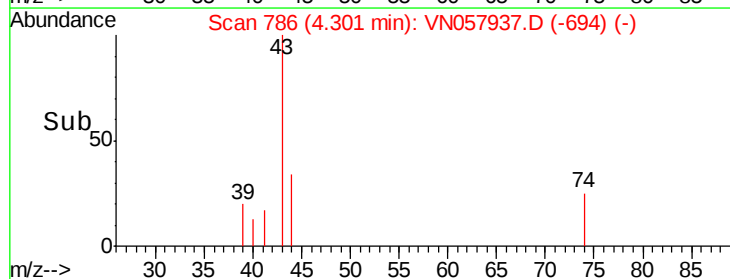
600

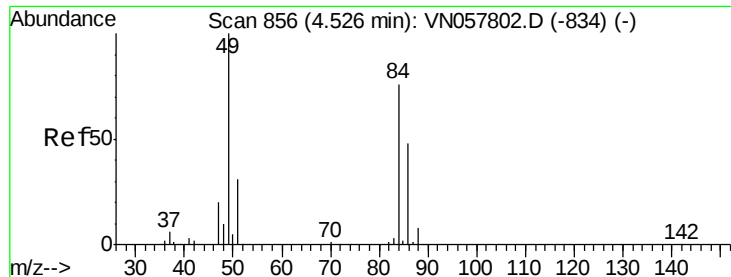
400

200

0

Time--> 4.24 4.26 4.28 4.30 4.32

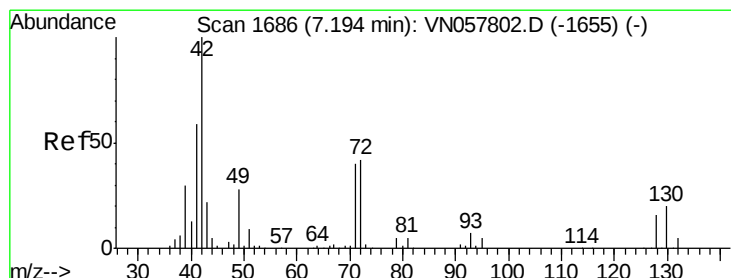
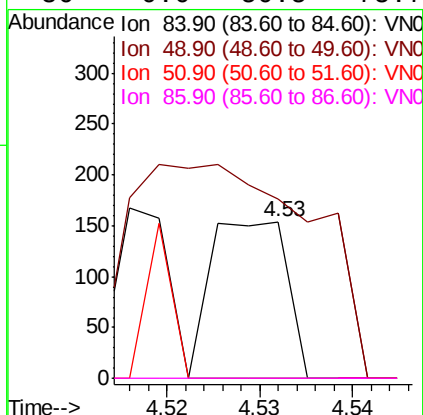
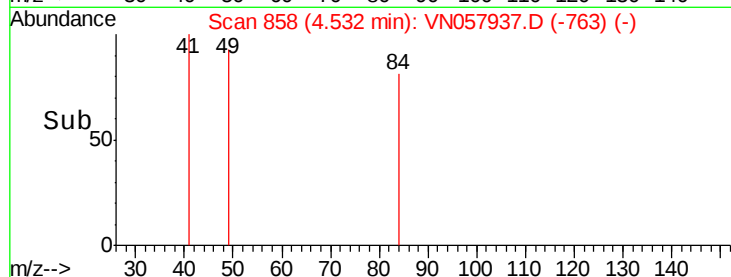
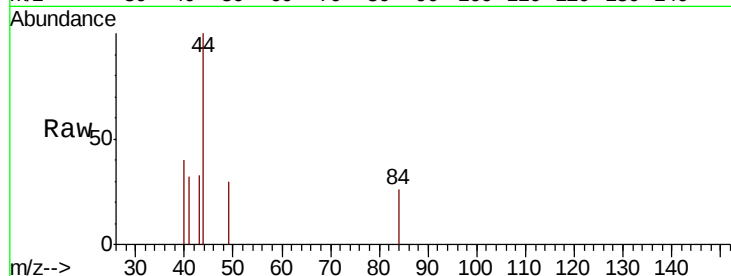




#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057937.D
Acq: 11 Sep 2019 20:32

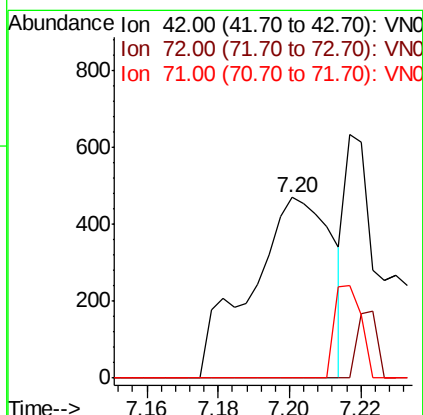
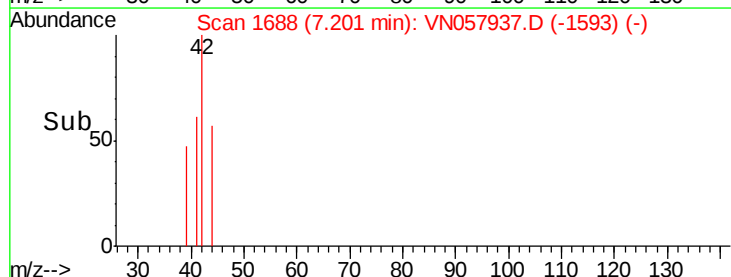
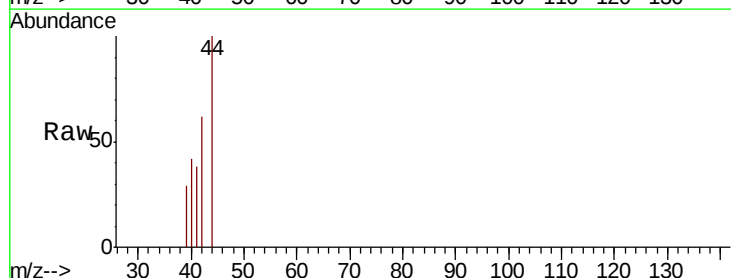
Instrument :
MSVOA_N
ClientSampled :
TRIP

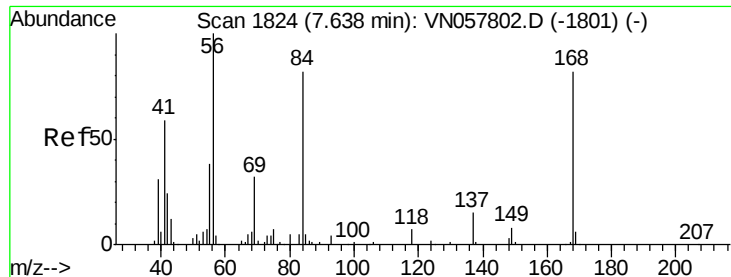
Tgt Ion: 84 Resp: 88
Ion Ratio Lower Upper
84 100
49 8.4 104.8 157.2#
51 0.0 33.0 49.4#
86 0.0 50.5 75.7#



#29
Tetrahydrofuran
Concen: 0.430 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057937.D
Acq: 11 Sep 2019 20:32

Tgt Ion: 42 Resp: 739
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.9 47.9#

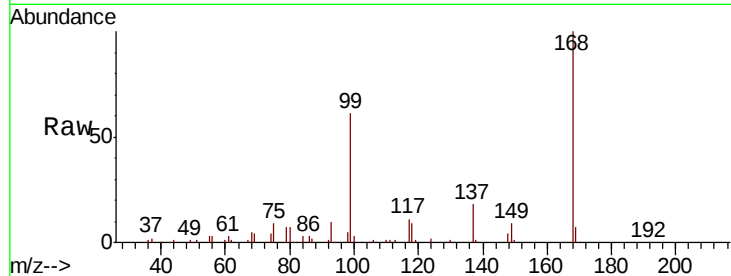




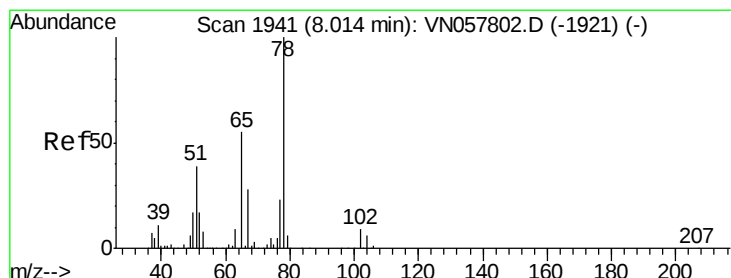
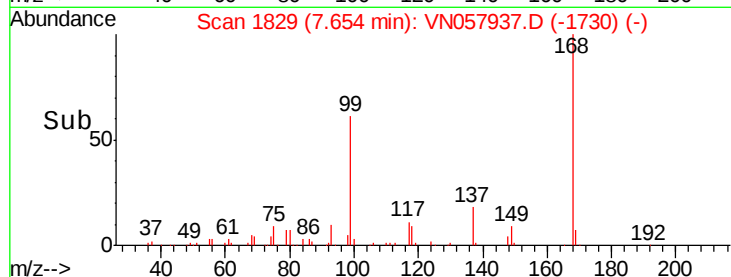
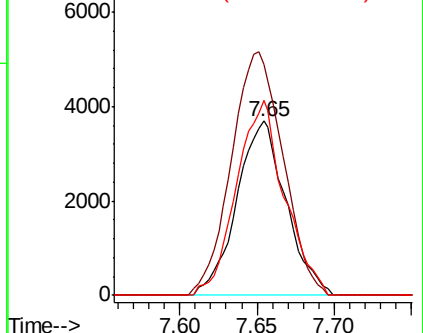
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057937.D
Acq: 11 Sep 2019 20:32

Instrument :
MSVOA_N
ClientSampleId :
TRIP

Tgt Ion: 56 Resp: 8170
Ion Ratio Lower Upper
56 100
69 132.3 25.9 38.9#
84 111.9 65.6 98.4#

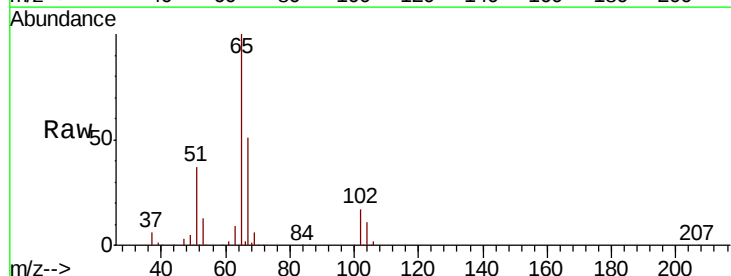


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

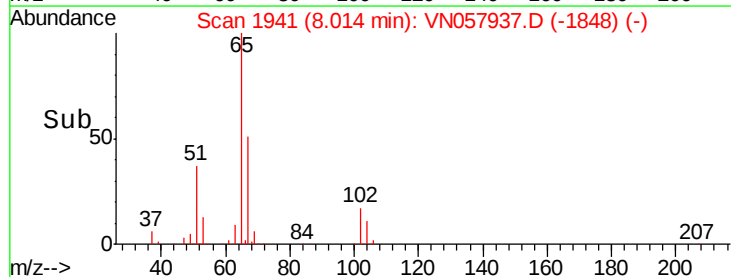
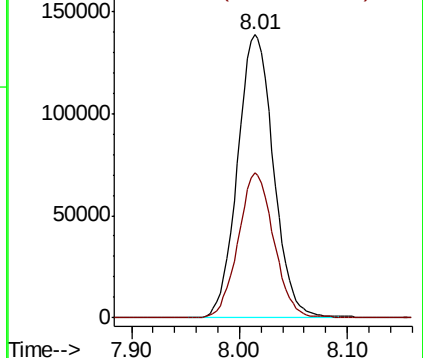


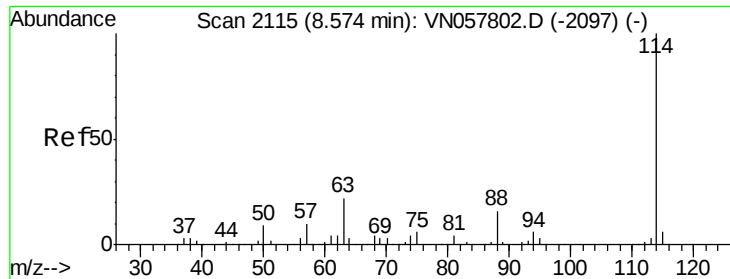
#33
1,2-Dichloroethane-d4
Concen: 54.697 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057937.D
Acq: 11 Sep 2019 20:32

Tgt Ion: 65 Resp: 321512
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

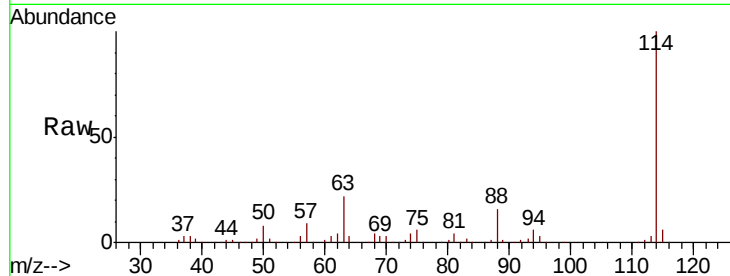




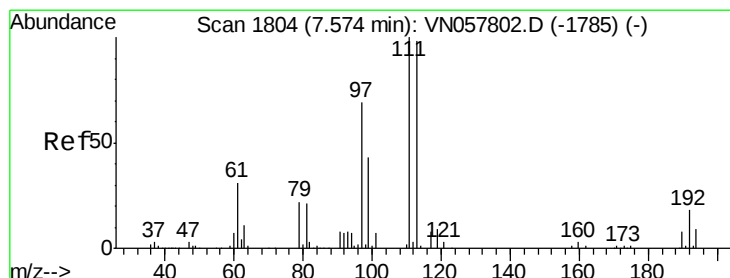
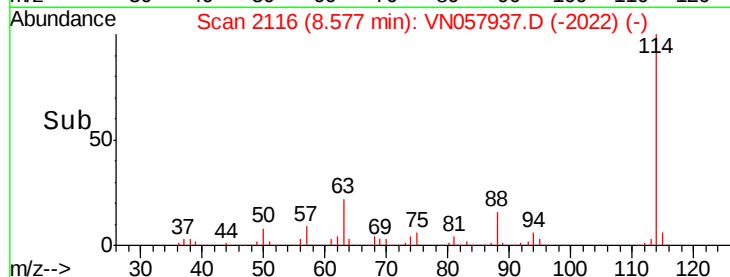
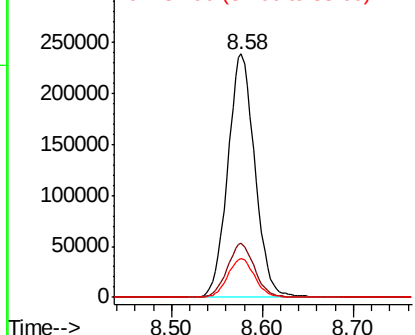
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057937.D
 Acq: 11 Sep 2019 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Tgt Ion:114 Resp: 493570
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 16.0 0.0 31.4

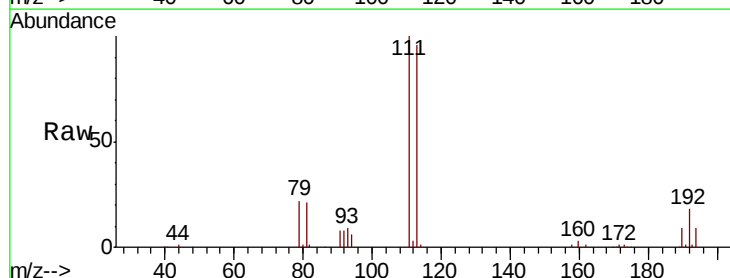


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

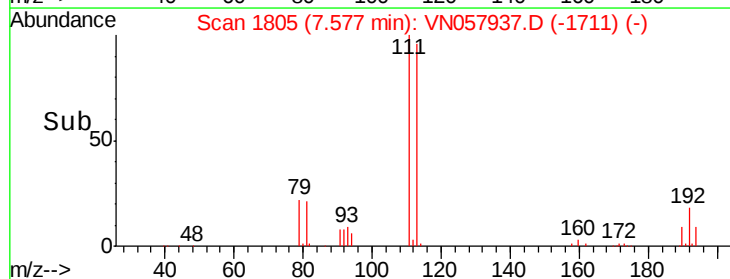
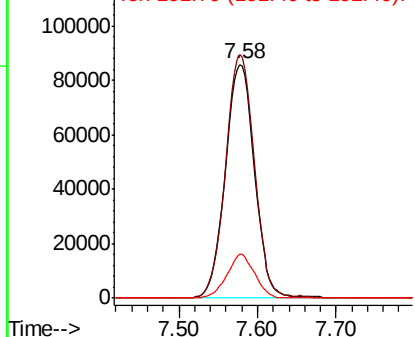


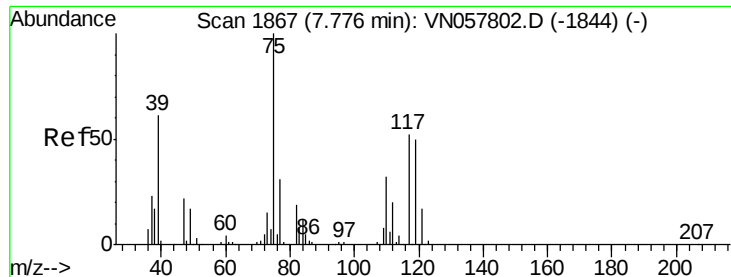
#35
 Dibromofluoromethane
 Concen: 48.483 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057937.D
 Acq: 11 Sep 2019 20:32

Tgt Ion:113 Resp: 220862
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.3 121.9
 192 17.7 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

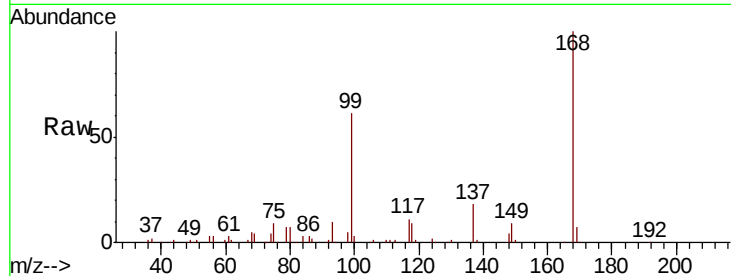




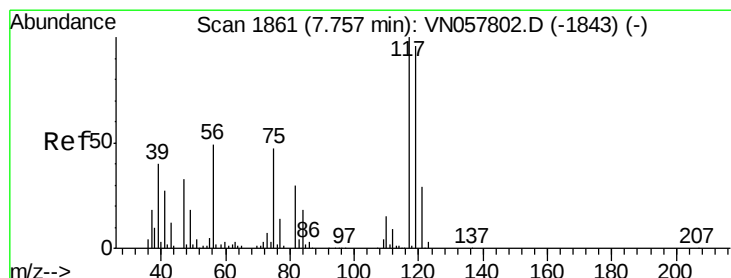
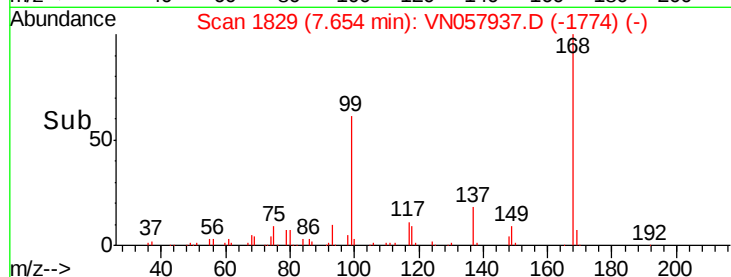
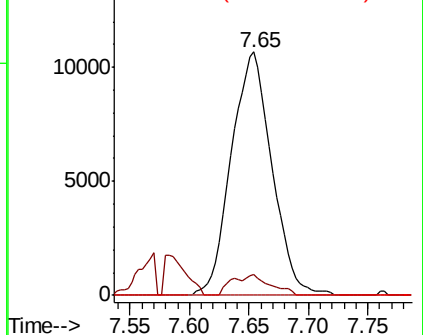
#36
 1,1-Dichloropropene
 Concen: 4.413 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057937.D
 Acq: 11 Sep 2019 20:32

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP

Tgt Ion: 75 Resp: 25258
 Ion Ratio Lower Upper
 75 100
 110 5.1 16.3 48.9#
 77 0.0 25.0 37.4#

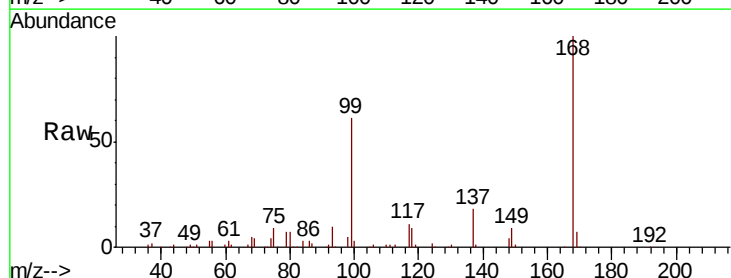


Abundance Ion 74.90 (74.60 to 75.60): VN
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN

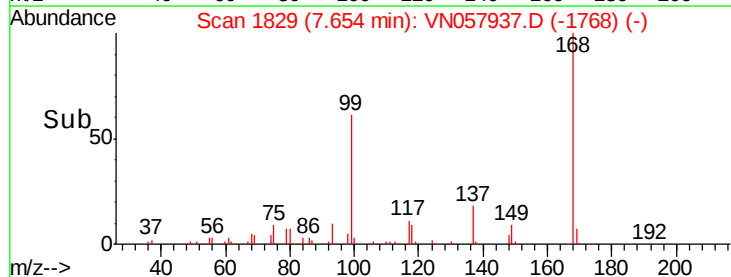
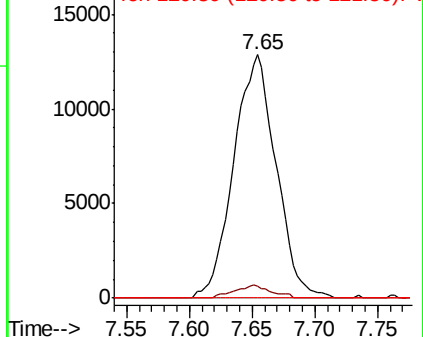


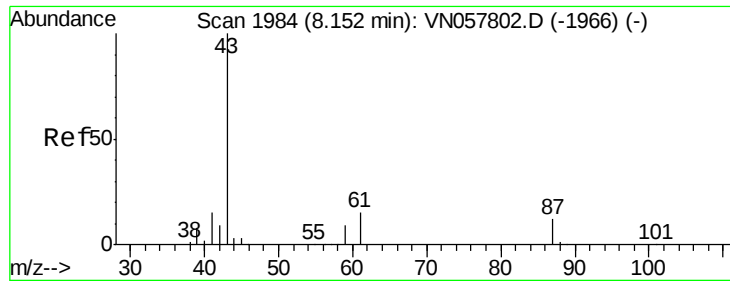
#38
 Carbon Tetrachloride
 Concen: 5.783 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057937.D
 Acq: 11 Sep 2019 20:32

Tgt Ion: 117 Resp: 30222
 Ion Ratio Lower Upper
 117 100
 119 4.8 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: 0.775 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.09 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

Instrument :

MSVOA_N

ClientSampled :

TRIP

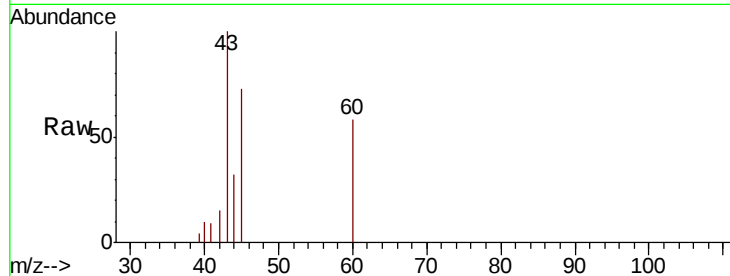
Tgt Ion: 43 Resp: 7711

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

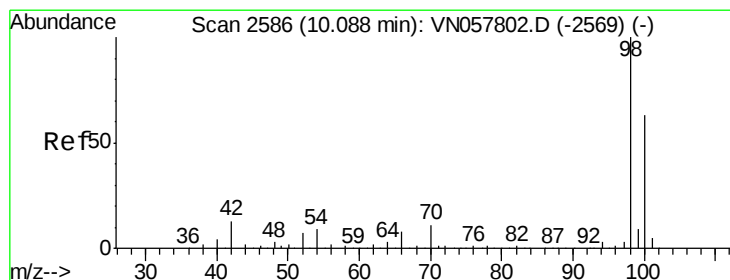
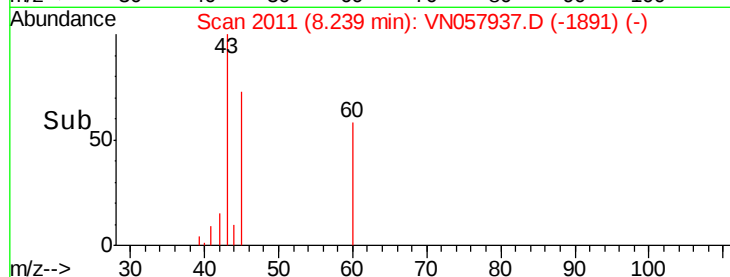
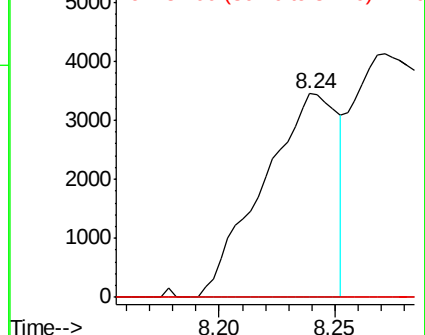
87 0.0 9.5 14.3#



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



#50

Toluene-d8

Concen: 49.475 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057937.D

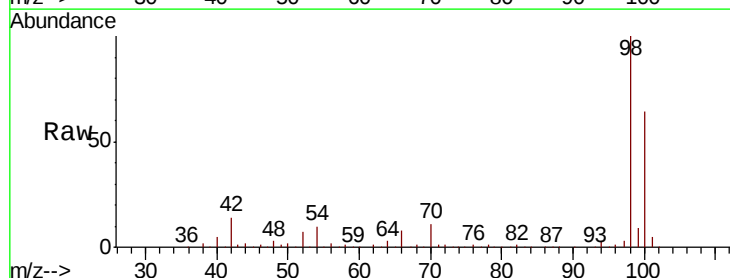
Acq: 11 Sep 2019 20:32

Tgt Ion: 98 Resp: 875043

Ion Ratio Lower Upper

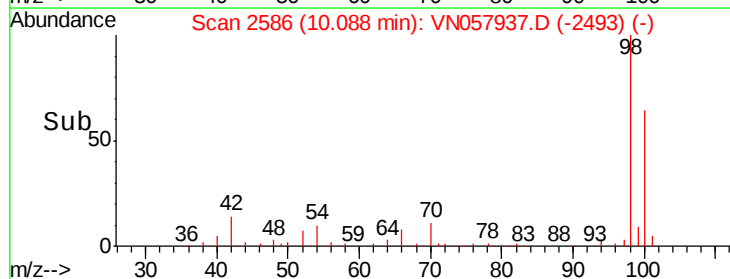
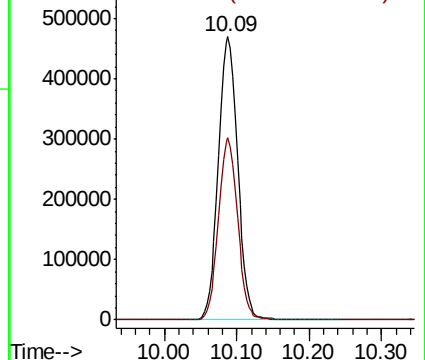
98 100

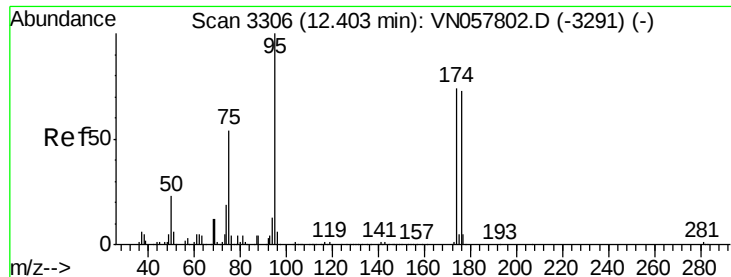
100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 42.323 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

Instrument :

MSVOA_N

ClientSampled :

TRIP

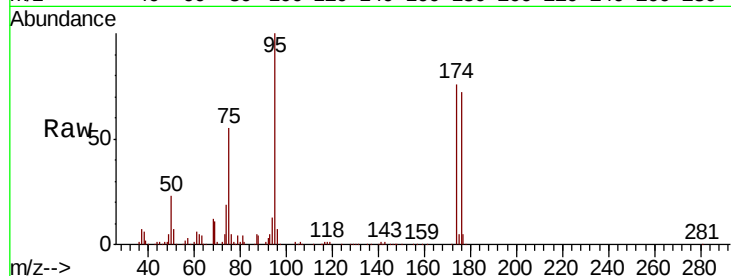
Tgt Ion: 95 Resp: 285267

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 71.9 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

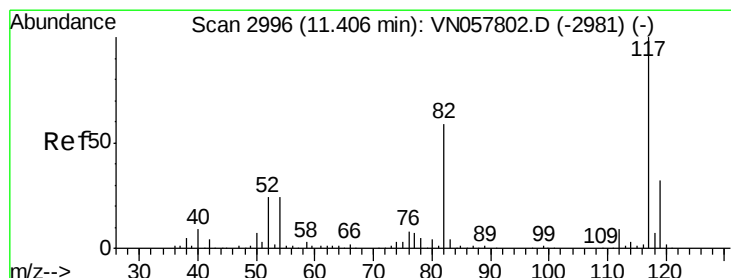
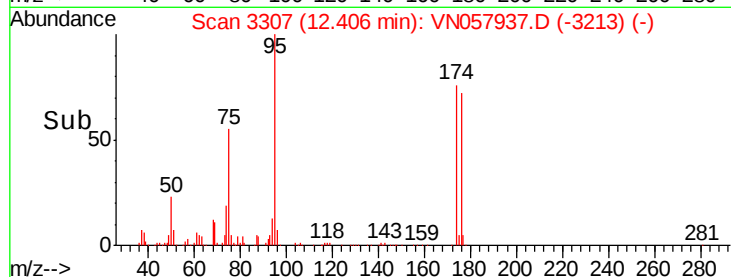
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

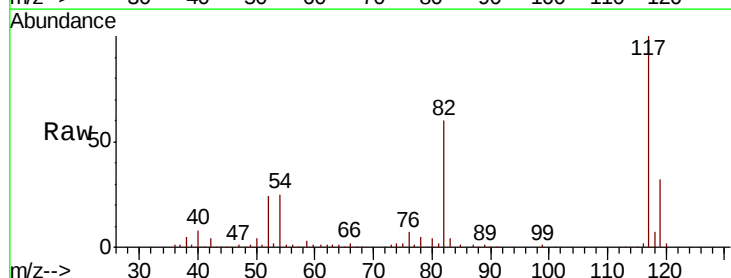
Tgt Ion: 117 Resp: 430798

Ion Ratio Lower Upper

117 100

82 60.5 47.2 70.8

119 32.4 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

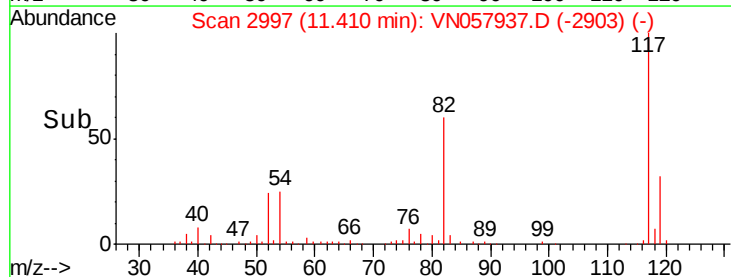
300000

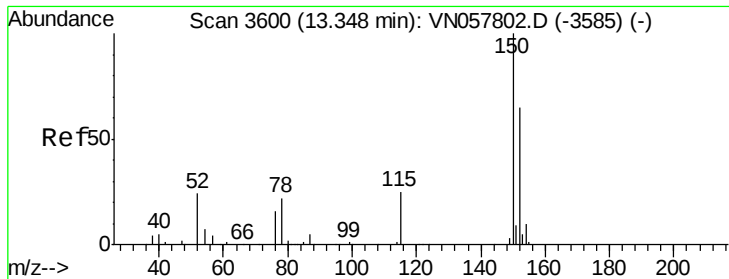
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

Instrument :

MSVOA_N

ClientSampled :

TRIP

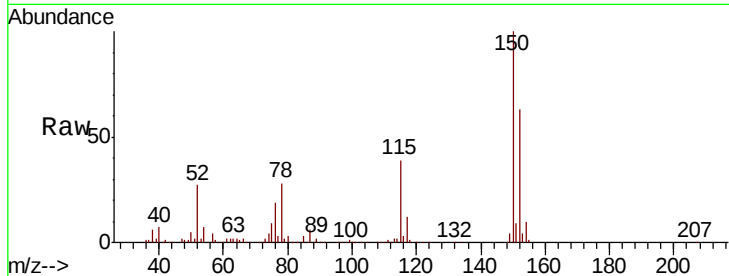
Tgt Ion: 152 Resp: 225415

Ion Ratio Lower Upper

152 100

115 61.3 30.3 91.0

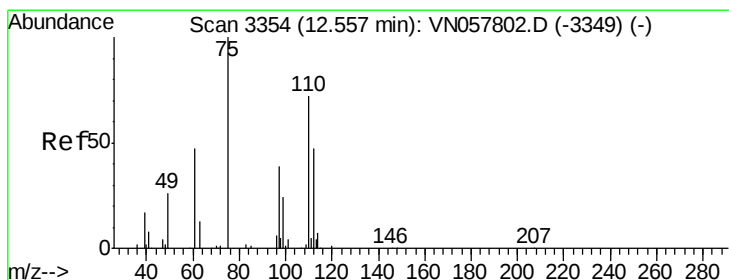
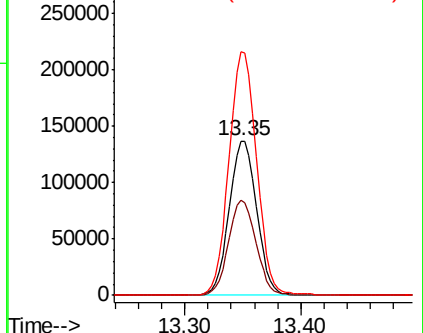
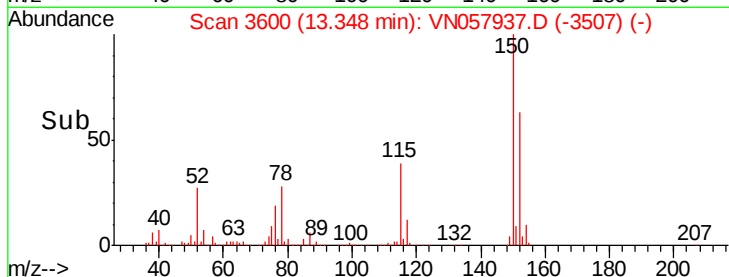
150 158.0 0.0 352.4



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



#76

1,2,3-Trichloropropane

Concen: 30.524 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057937.D

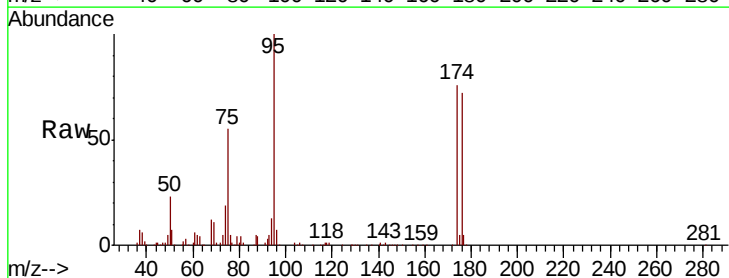
Acq: 11 Sep 2019 20:32

Tgt Ion: 75 Resp: 155649

Ion Ratio Lower Upper

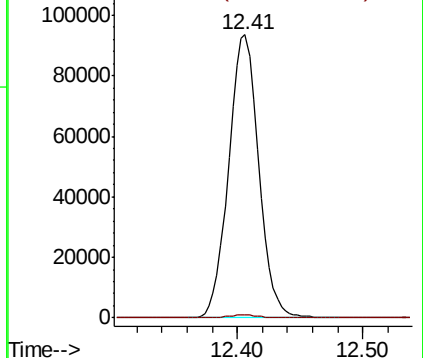
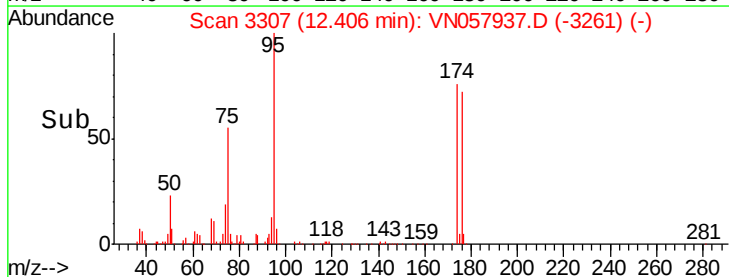
75 100

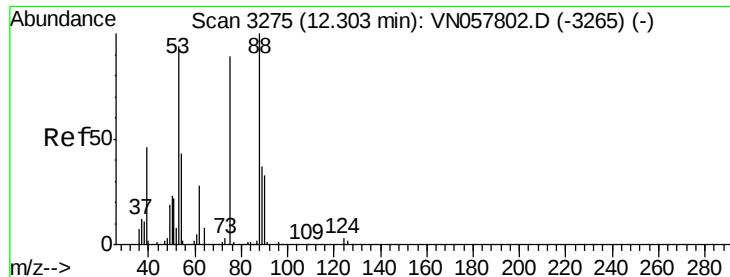
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 107.414 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

TRIP

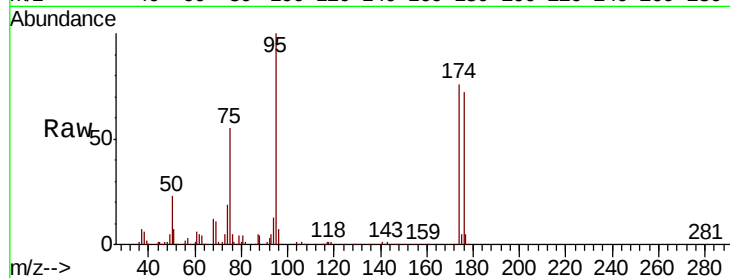
Tgt Ion: 75 Resp: 155649

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

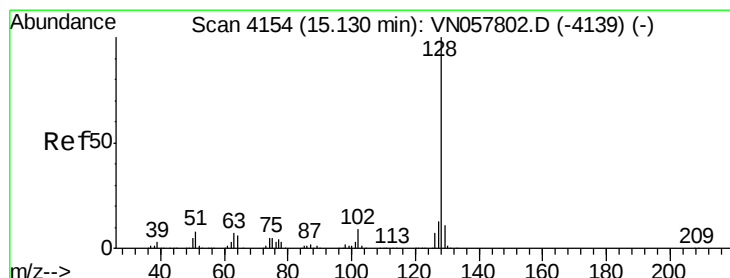
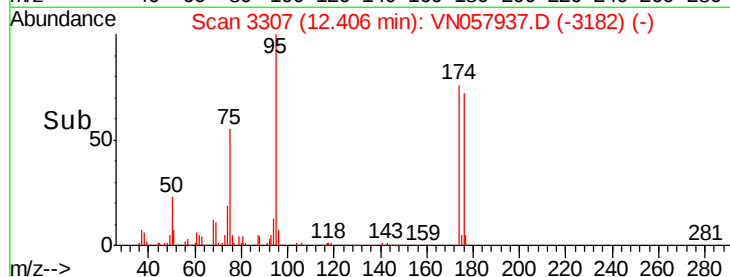
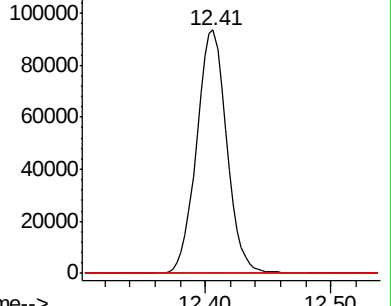
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN057937.D

Acq: 11 Sep 2019 20:32

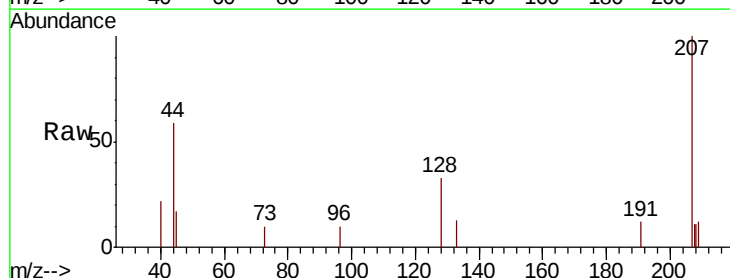
Tgt Ion: 128 Resp: 957

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

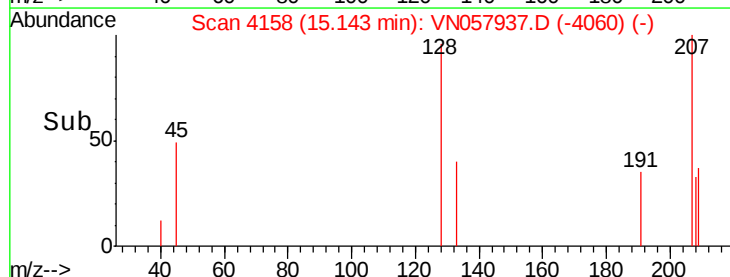
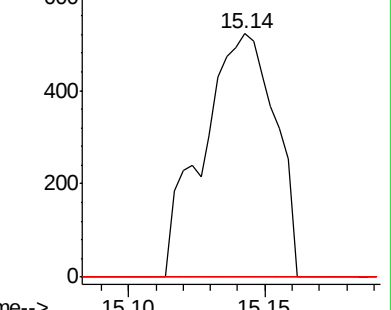
129 0.0 8.6 12.8#

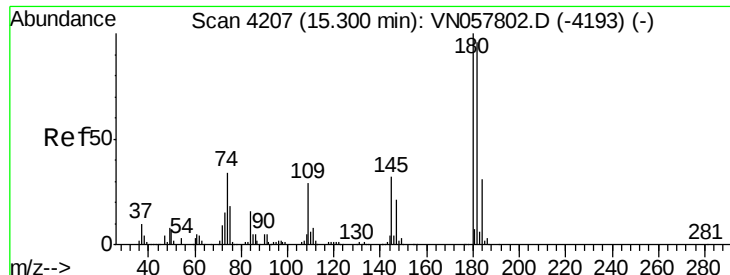


Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)

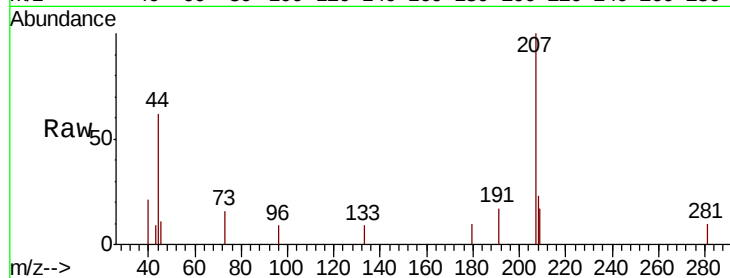




#96
 1,2,3-Trichlorobenzene
 Concen: 1.018 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.01 min
 Lab File: VN057937.D
 Acq: 11 Sep 2019 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.3	144.8#
145	0.0	16.3	48.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

