

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100219\
 Data File : VN058489.D
 Acq On : 2 Oct 2019 21:05
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Oct 03 05:14:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	360389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	607012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	192903	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	267887	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	7.58	113	187698	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.09	98	741441	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.41	95	232790	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

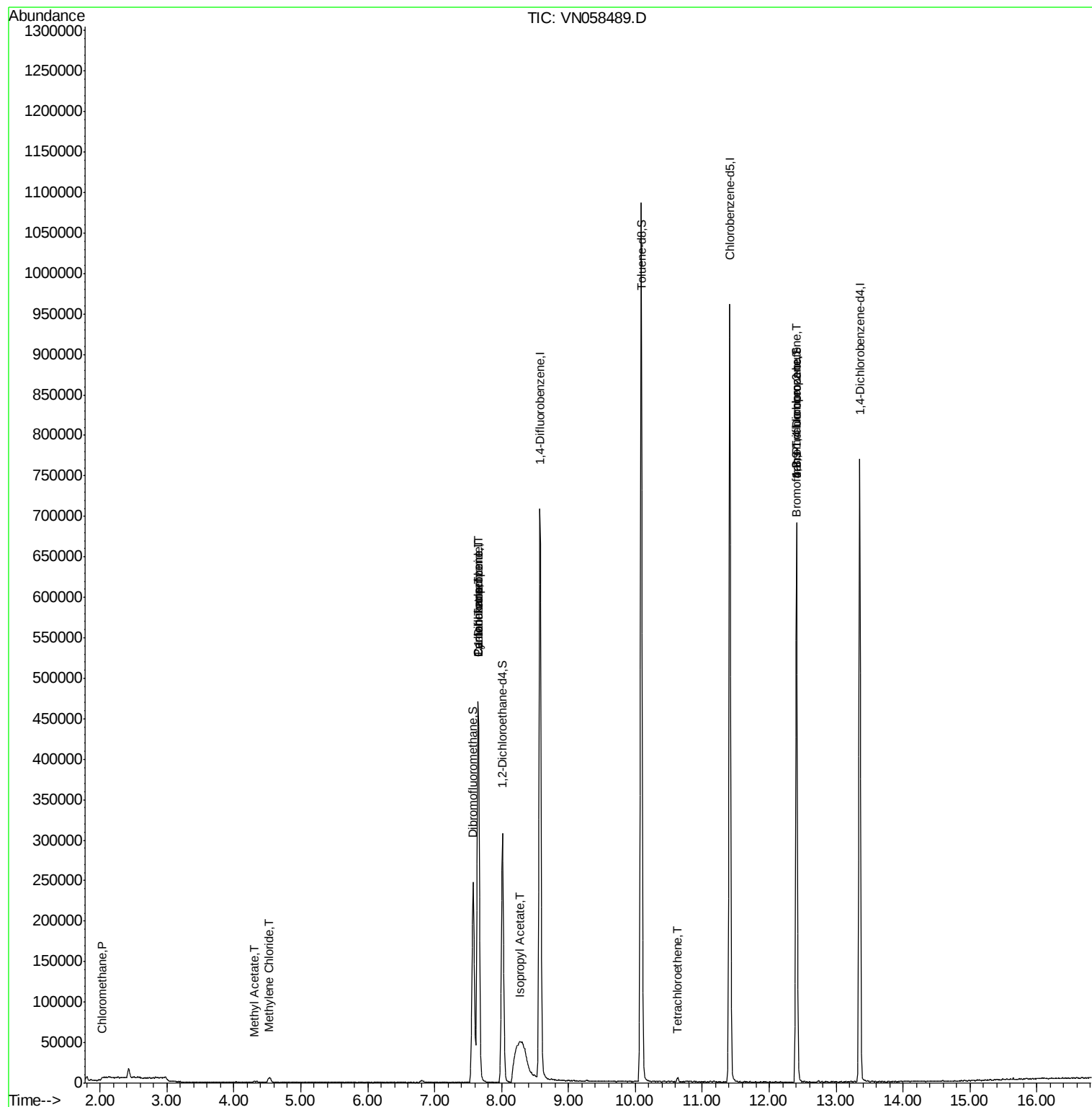
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	946	0.218	ug/l #	42
18) Methyl Acetate	4.31	43	1482	0.328	ug/l #	74
20) Methylene Chloride	4.52	84	4452	1.075	ug/l #	83
31) Cyclohexane	7.65	56	9908	1.359	ug/l #	24
36) 1,1-Dichloropropene	7.65	75	32345	5.573	ug/l #	51
38) Carbon Tetrachloride	7.65	117	37276	7.115	ug/l #	17
43) Isopropyl Acetate	8.26	43	82602	8.926	ug/l #	63
60) Dibromochloromethane	10.63	129	1114	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1297	0.398	ug/l	83
71) Bromoform	12.39	173	212	0.783	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	127209	36.104	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	127209	109.653	ug/l #	7
95) Naphthalene	15.14	128	155	Below Cal	#	70

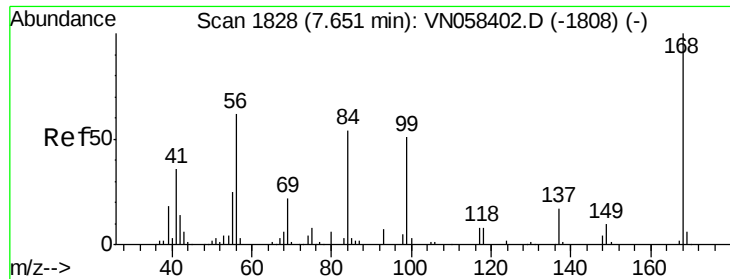
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

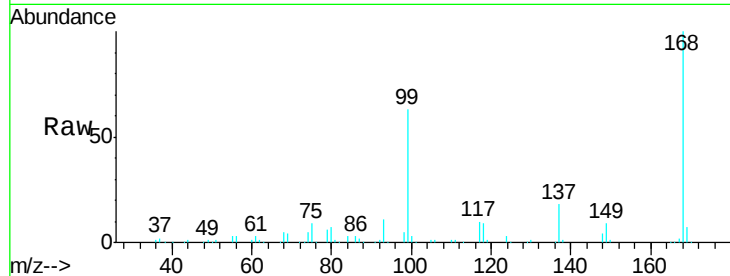
I.BLK

Tgt Ion:168 Resp: 360389

Ion Ratio Lower Upper

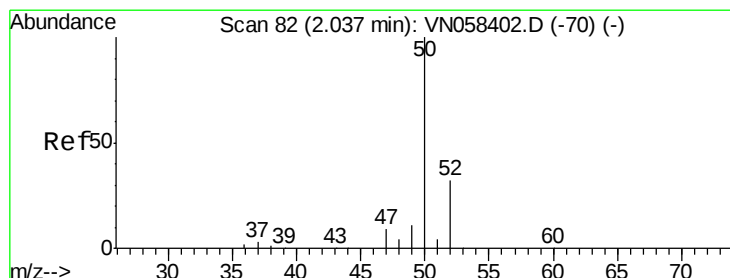
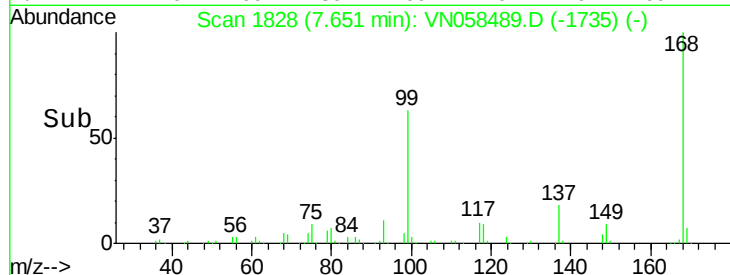
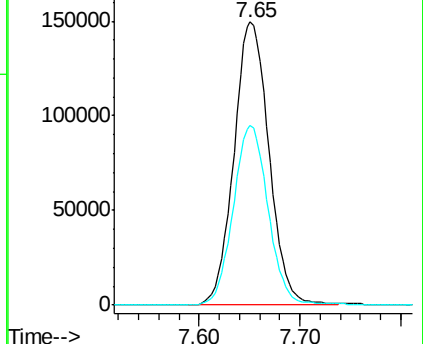
168 100

99 63.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.218 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058489.D

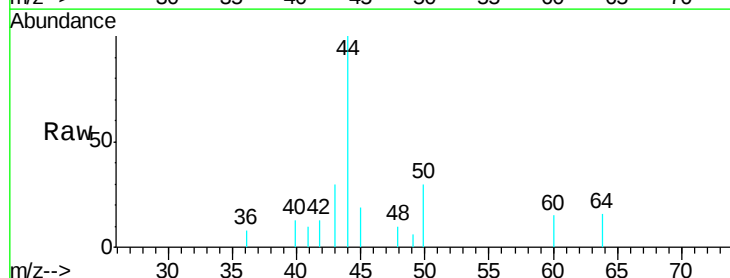
Acq: 2 Oct 2019 21:05

Tgt Ion: 50 Resp: 946

Ion Ratio Lower Upper

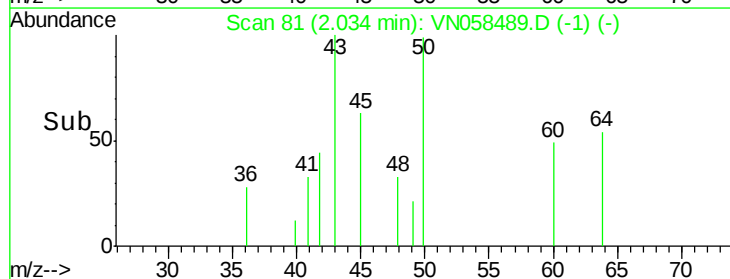
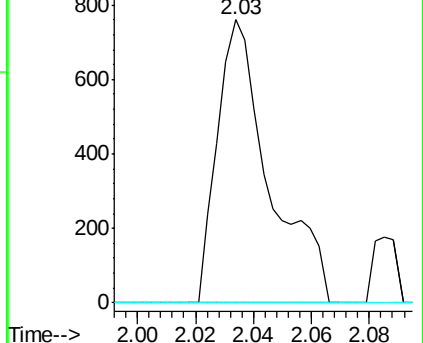
50 100

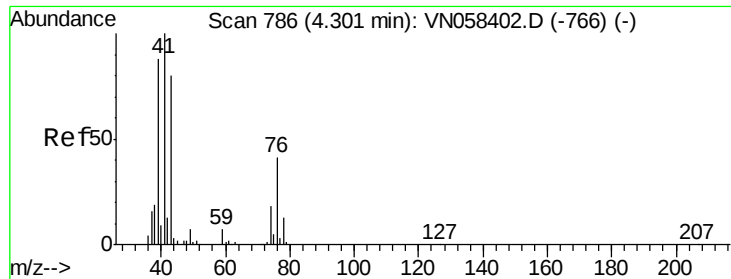
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

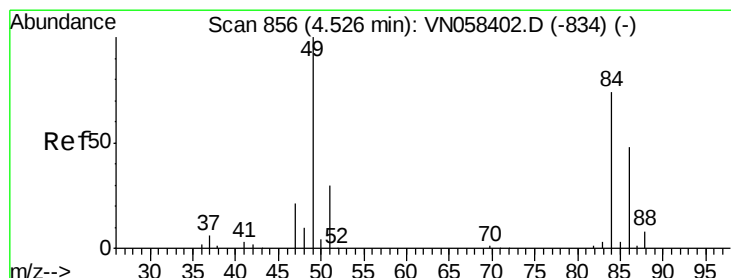
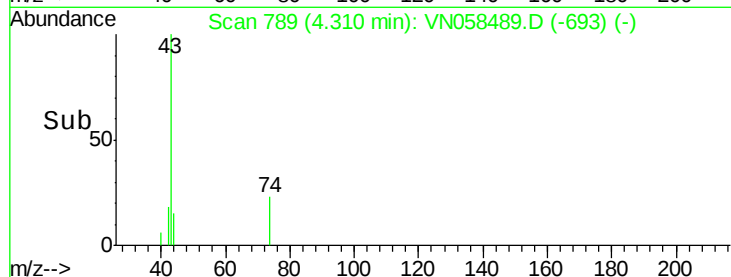
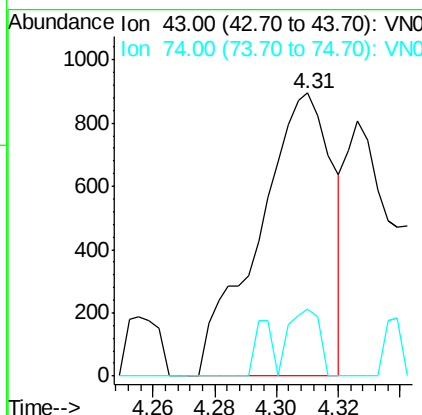
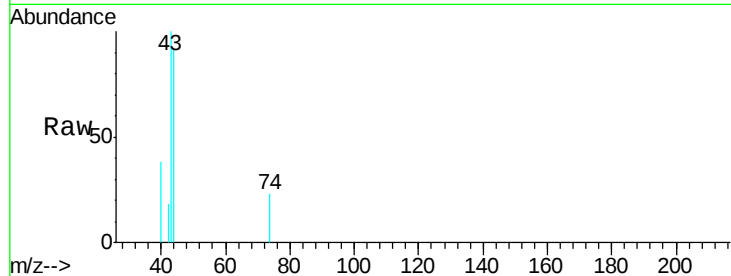




#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058489.D
Acq: 2 Oct 2019 21:05

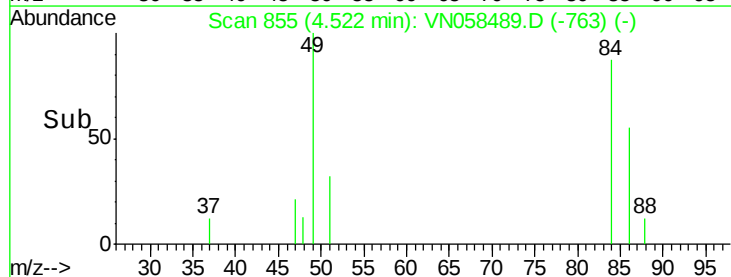
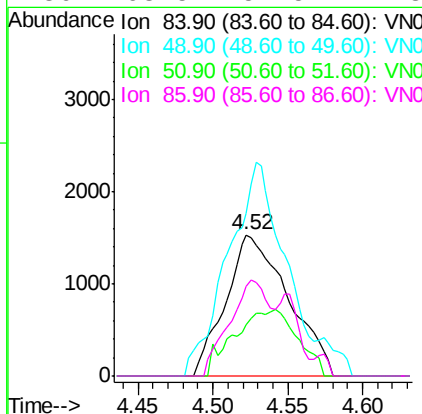
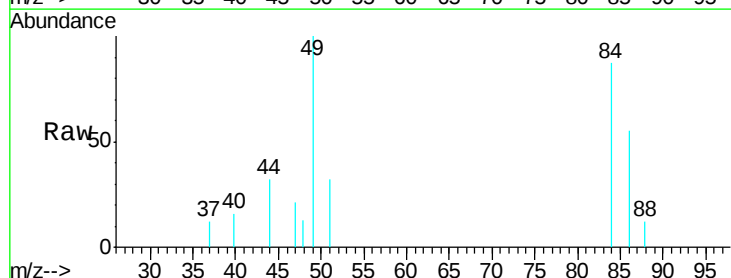
Instrument :
MSVOA_N
ClientSampled :
I.BLK

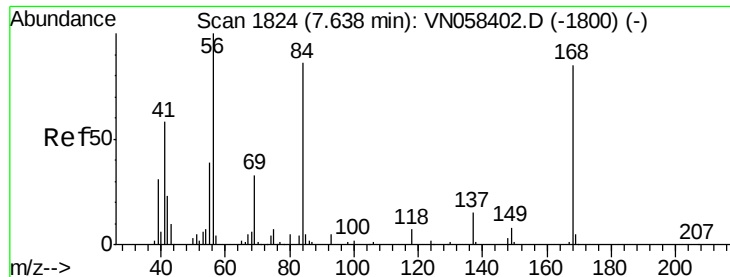
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
74 9.8 18.0 27.0#



#20
Methylene Chloride
Concen: 1.075 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058489.D
Acq: 2 Oct 2019 21:05

Tgt Ion: 84 Resp: 4452
Ion Ratio Lower Upper
84 100
49 102.8 107.9 161.9#
51 36.6 32.8 49.2
86 63.5 51.5 77.3

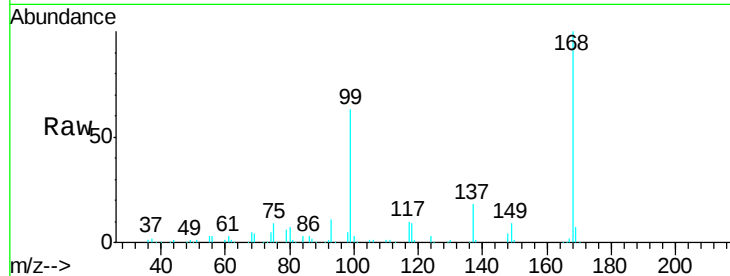




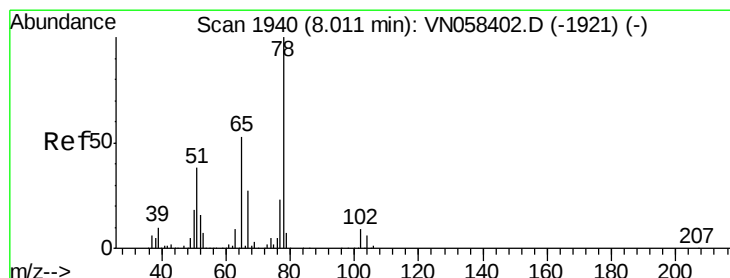
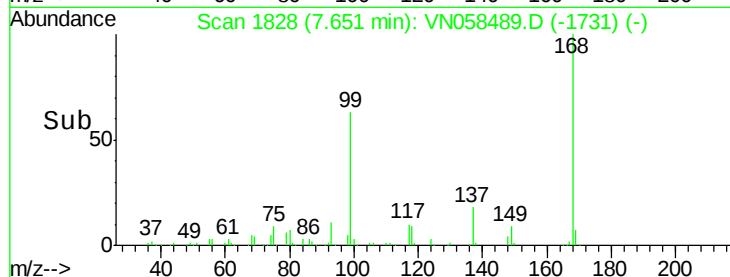
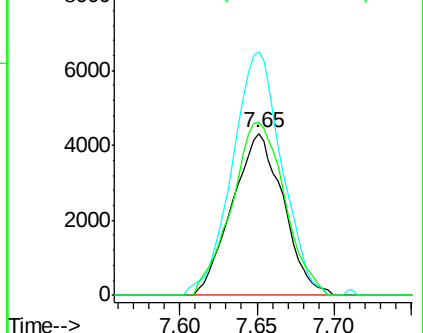
#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058489.D
Acq: 2 Oct 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tgt Ion: 56 Resp: 9908
Ion Ratio Lower Upper
56 100
69 150.6 26.2 39.4#
84 107.2 67.6 101.4#

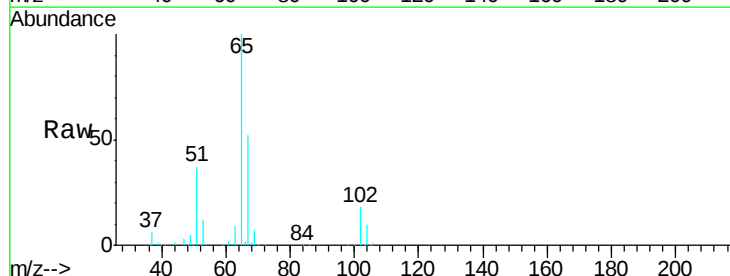


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

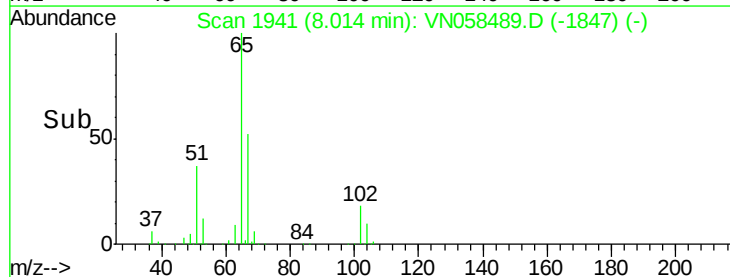
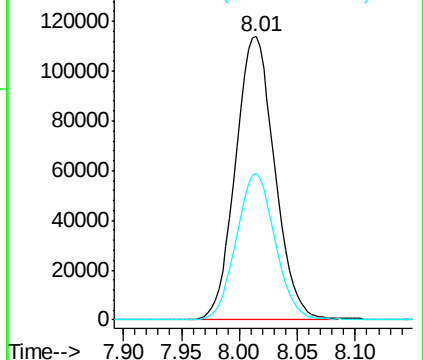


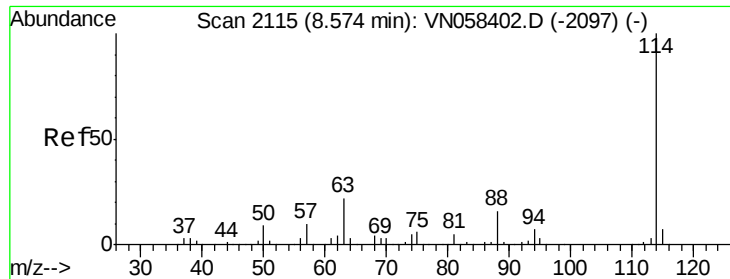
#33
1,2-Dichloroethane-d4
Concen: 50.866 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058489.D
Acq: 2 Oct 2019 21:05

Tgt Ion: 65 Resp: 267887
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4



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

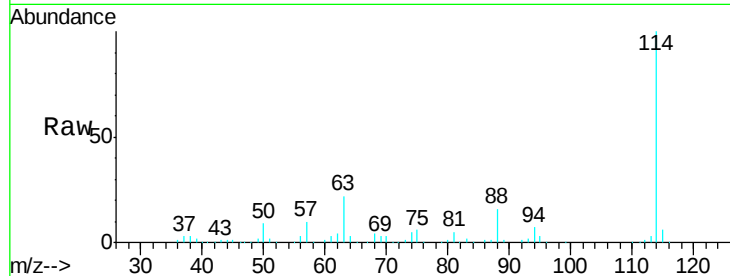




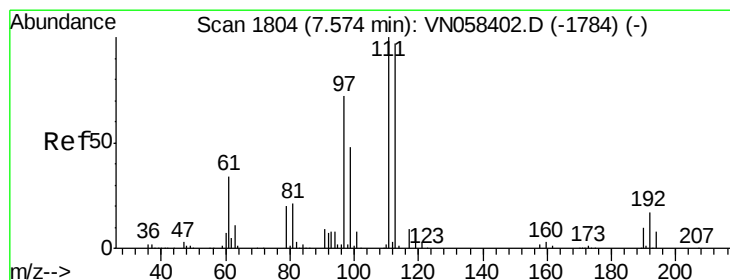
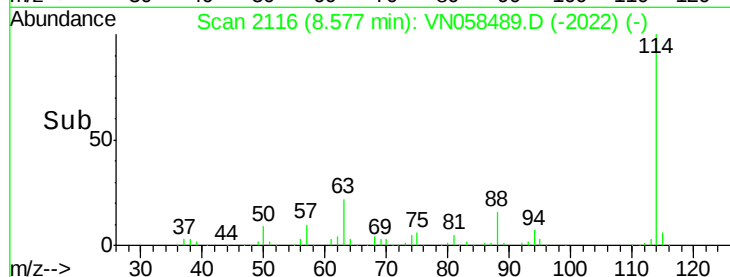
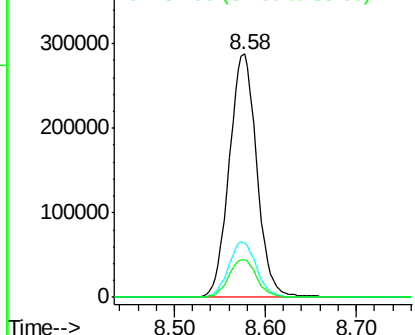
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058489.D
 Acq: 2 Oct 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tgt Ion:114 Resp: 607012
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 15.6 0.0 32.2

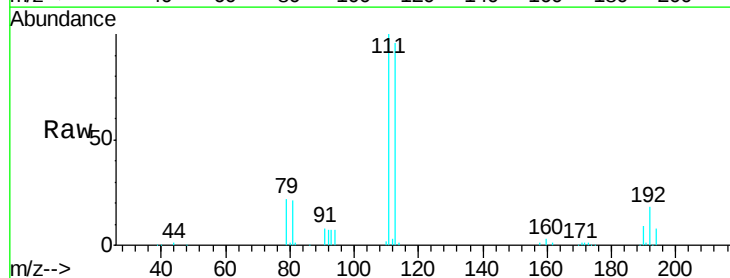


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

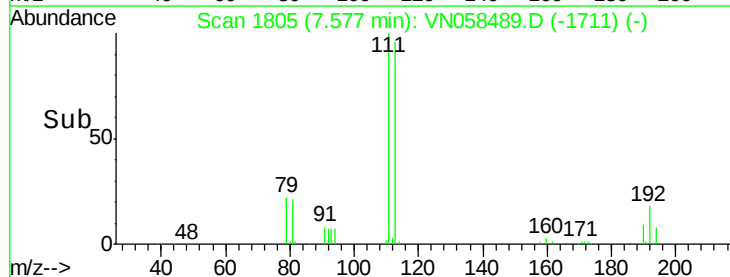
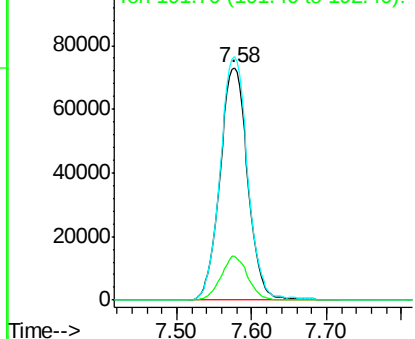


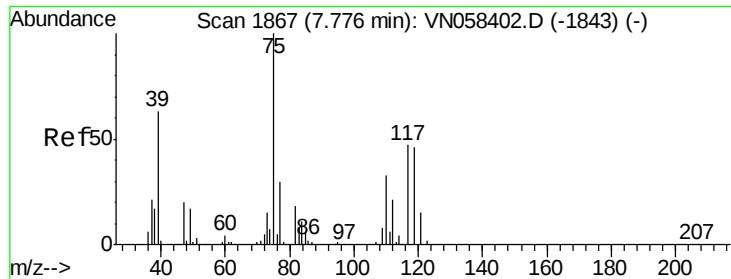
#35
 Dibromofluoromethane
 Concen: 50.452 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058489.D
 Acq: 2 Oct 2019 21:05

Tgt Ion:113 Resp: 187698
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 18.2 14.9 22.3



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

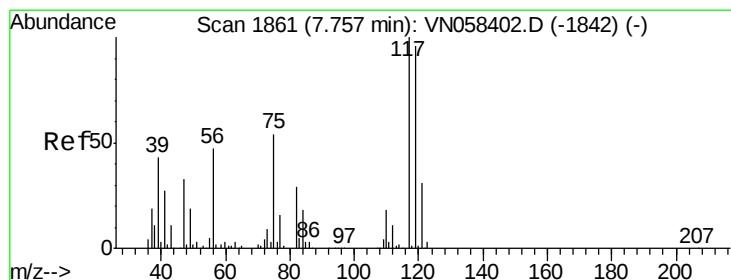
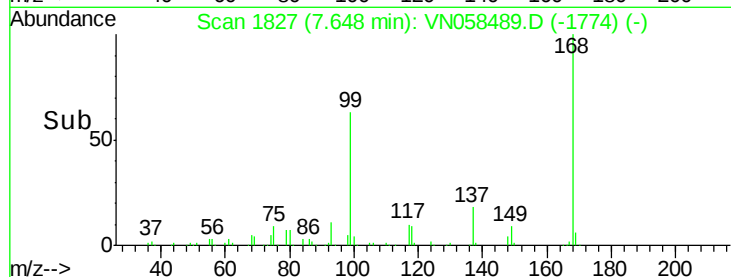
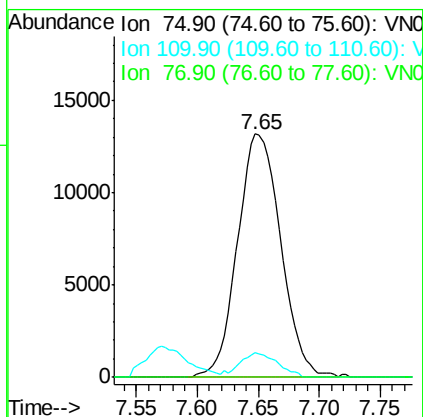
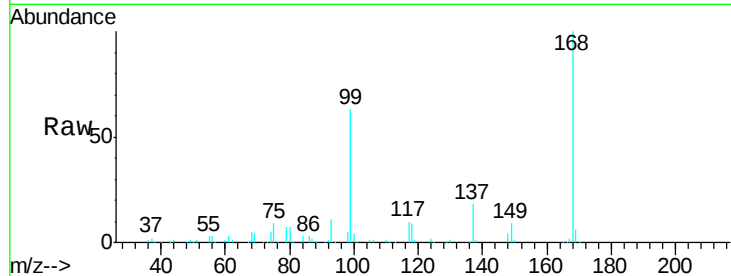




#36
 1,1-Dichloropropene
 Concen: 5.573 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058489.D
 Acq: 2 Oct 2019 21:05

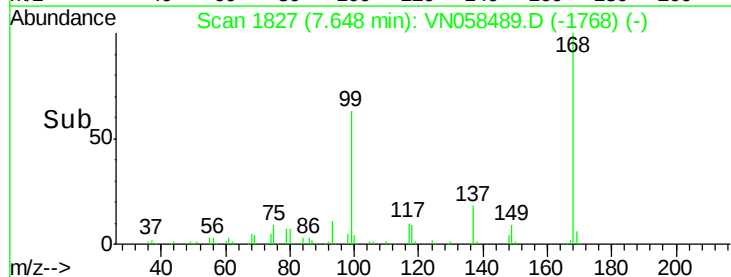
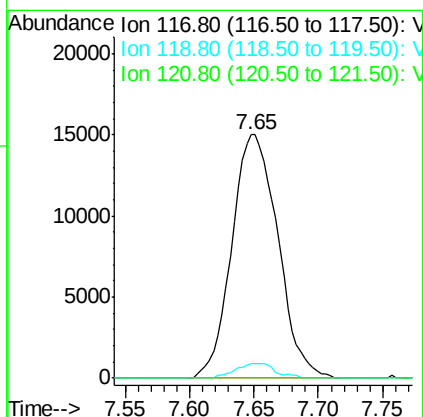
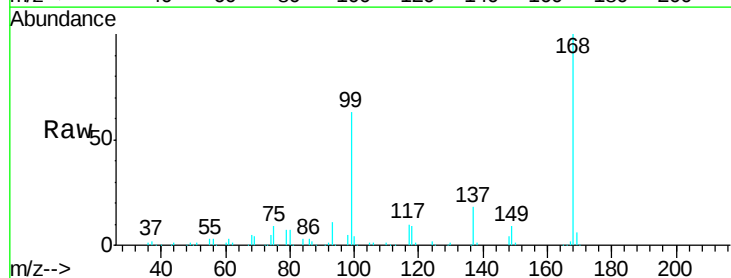
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

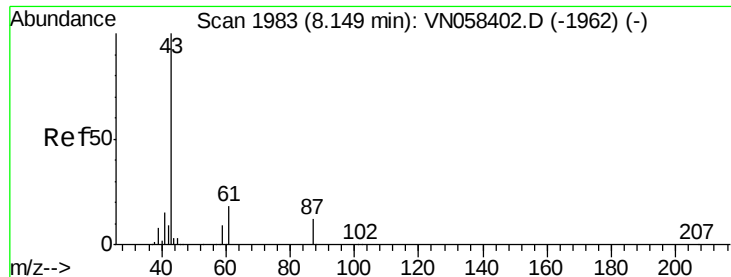
Tgt Ion: 75 Resp: 32345
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.115 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058489.D
 Acq: 2 Oct 2019 21:05

Tgt Ion: 117 Resp: 37276
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.6 115.0#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 8.926 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.11 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

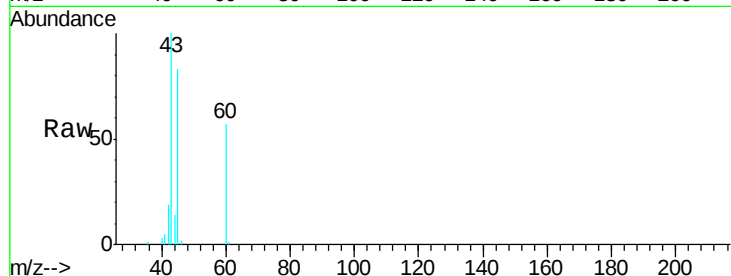
Tgt Ion: 43 Resp: 82602

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

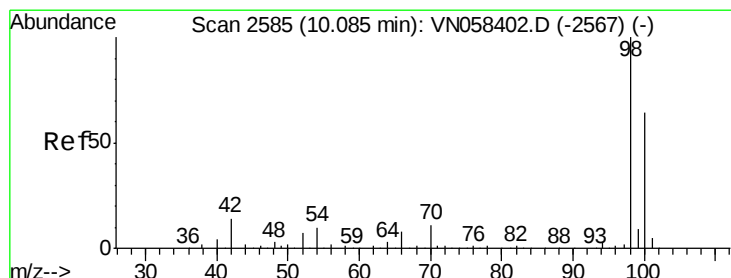
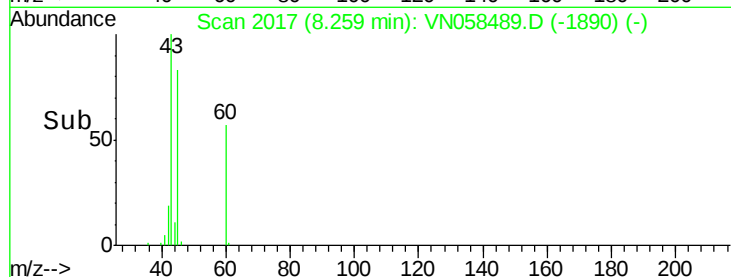
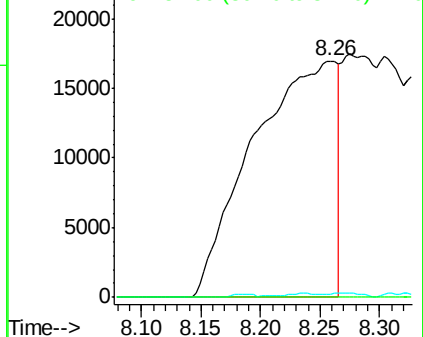
87 0.0 9.7 14.5#



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: 50.874 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058489.D

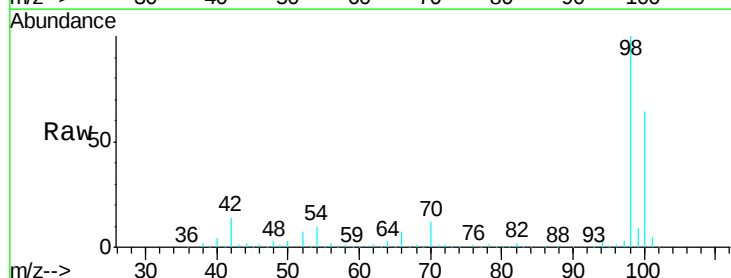
Acq: 2 Oct 2019 21:05

Tgt Ion: 98 Resp: 741441

Ion Ratio Lower Upper

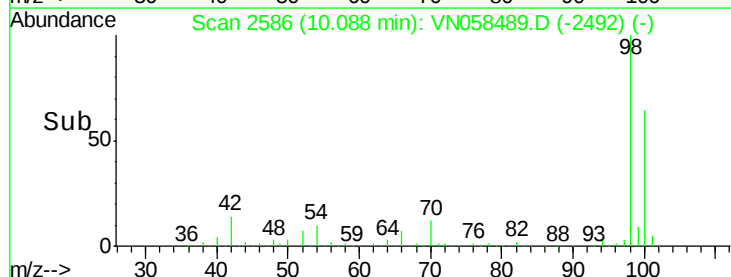
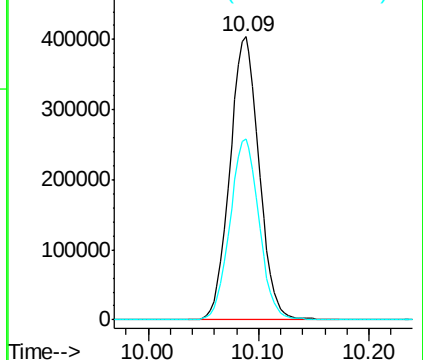
98 100

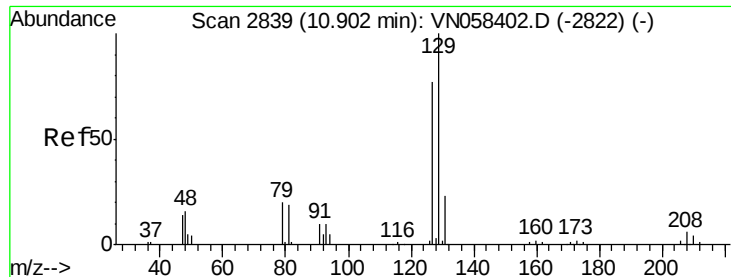
100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

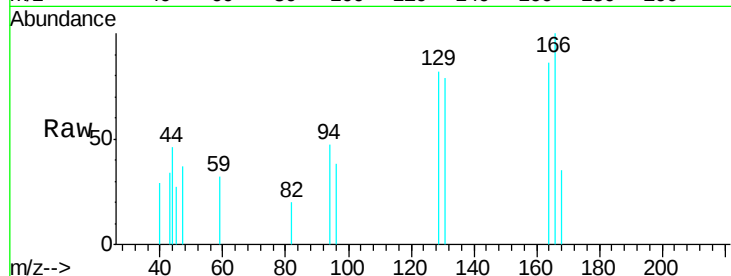
I.BLK

Tgt Ion:129 Resp: 1114

Ion Ratio Lower Upper

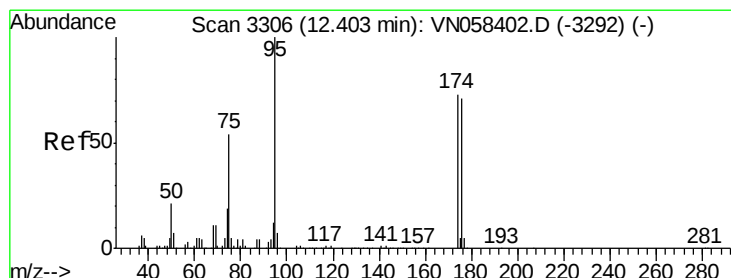
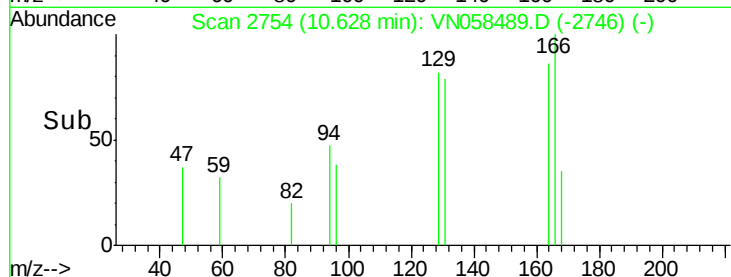
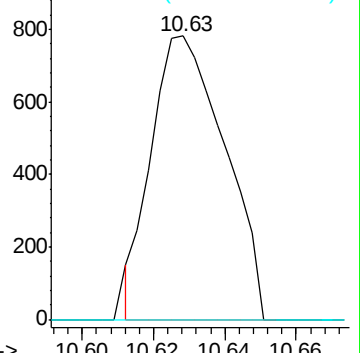
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.175 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

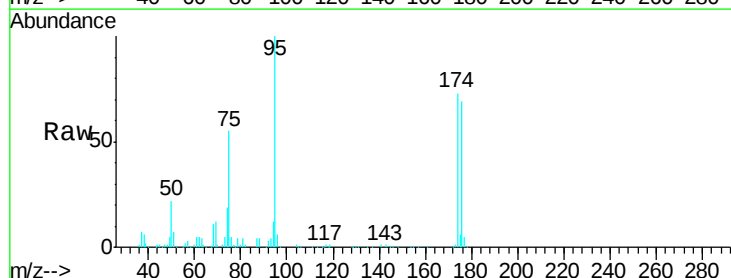
Tgt Ion: 95 Resp: 232790

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.6

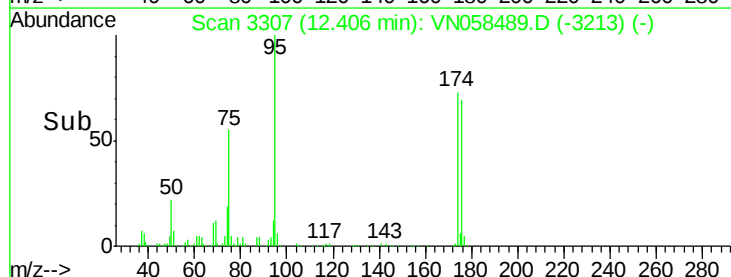
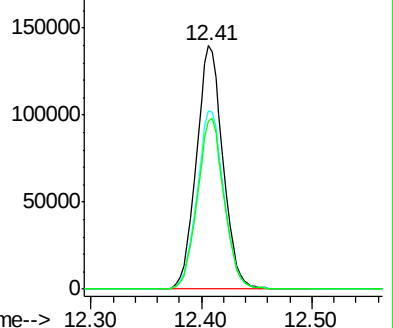
176 70.6 0.0 146.2

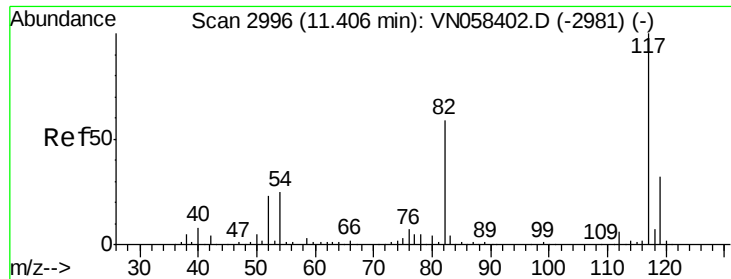


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

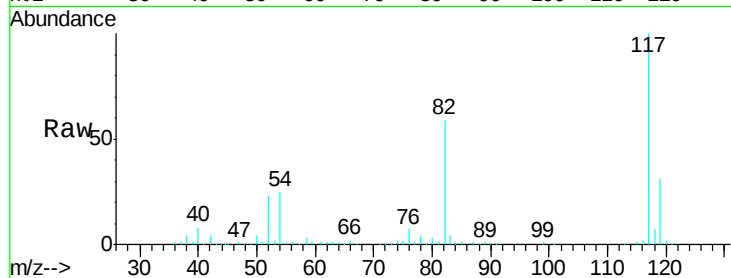




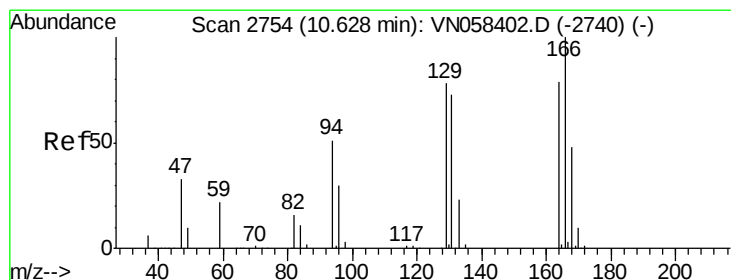
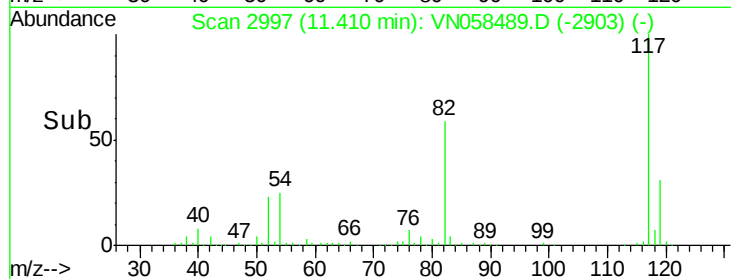
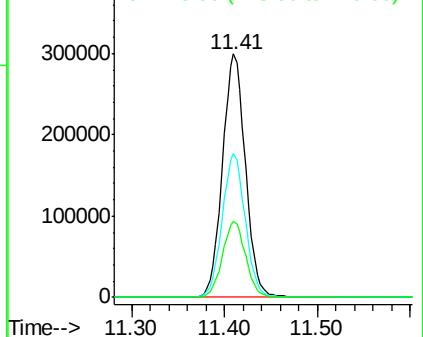
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058489.D
Acq: 2 Oct 2019 21:05

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tgt Ion:117 Resp: 512802
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.0
119 31.4 25.5 38.3



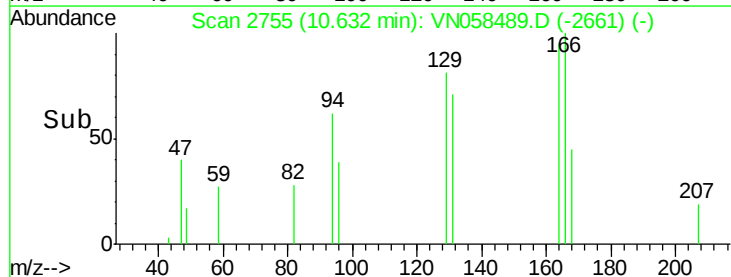
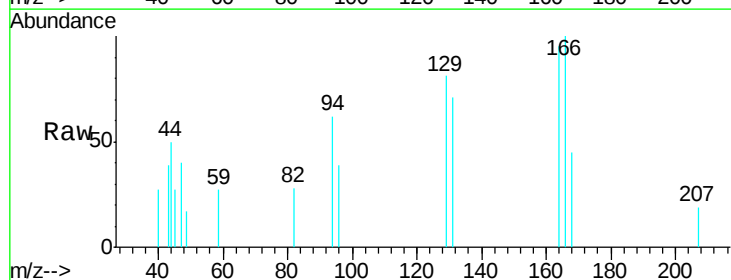
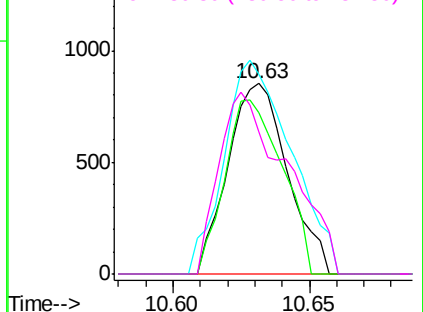
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

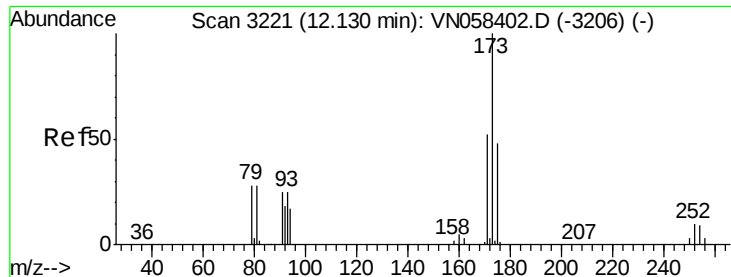


#64
Tetrachloroethene
Concen: 0.398 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058489.D
Acq: 2 Oct 2019 21:05

Tgt Ion:164 Resp: 1297
Ion Ratio Lower Upper
164 100
166 105.3 101.1 151.7
129 84.8 79.2 118.8
131 74.7 74.1 111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.783 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

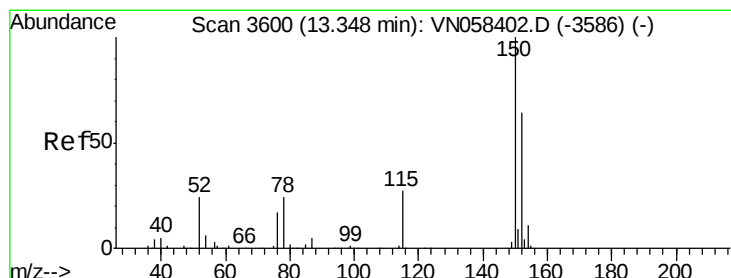
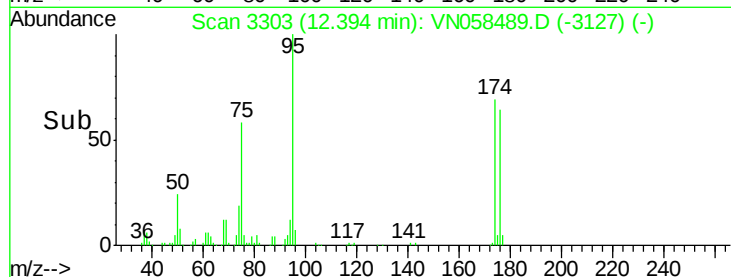
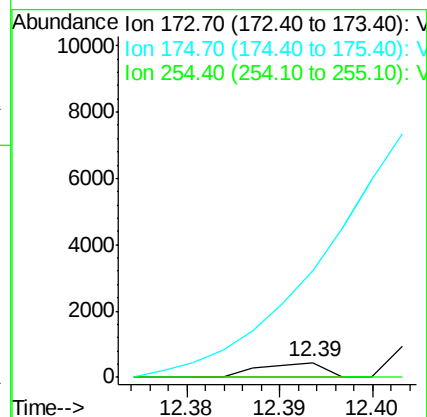
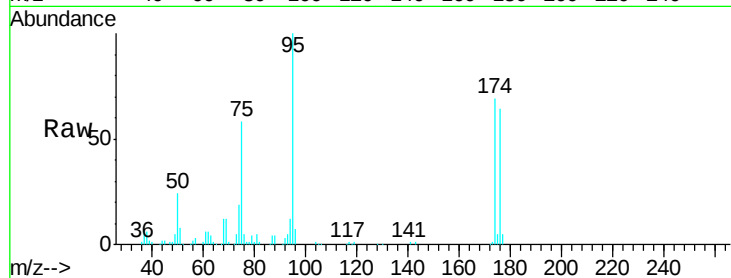
Tgt Ion:173 Resp: 212

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

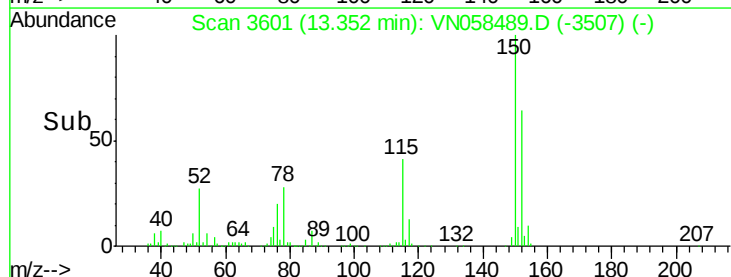
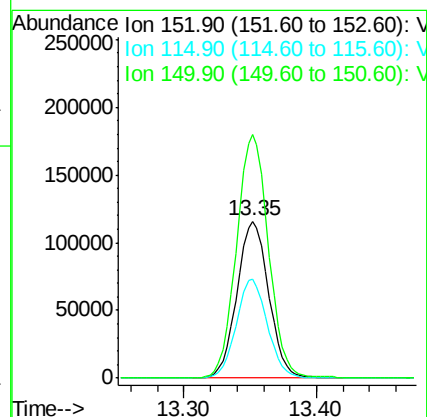
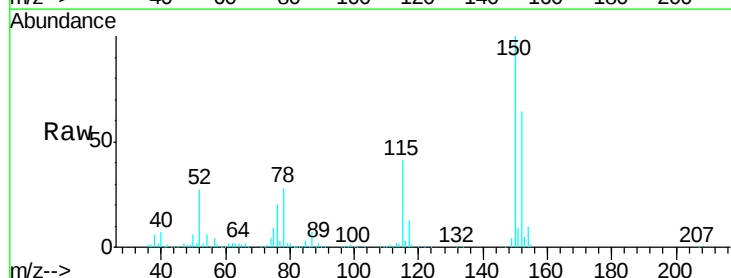
Tgt Ion:152 Resp: 192903

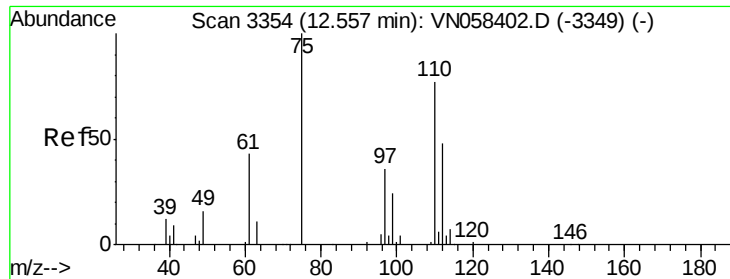
Ion Ratio Lower Upper

152 100

115 61.9 30.0 90.0

150 156.3 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 36.104 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

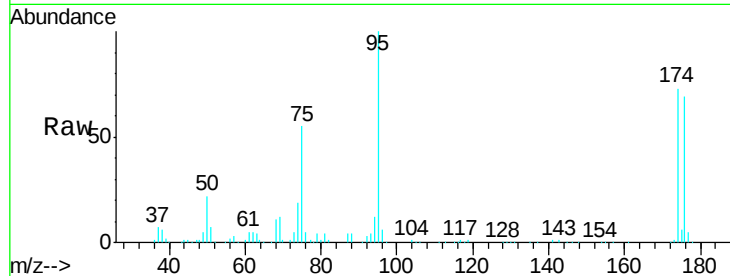
I.BLK

Tgt Ion: 75 Resp: 127209

Ion Ratio Lower Upper

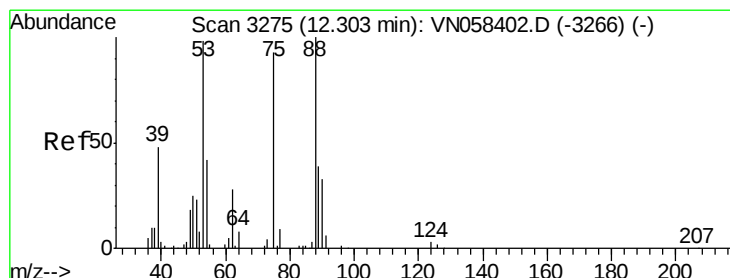
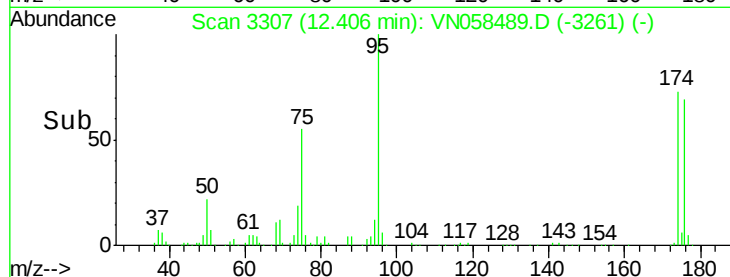
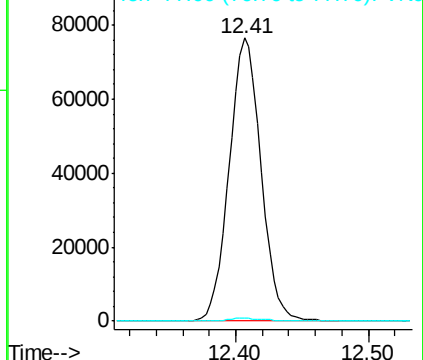
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 109.653 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058489.D

Acq: 2 Oct 2019 21:05

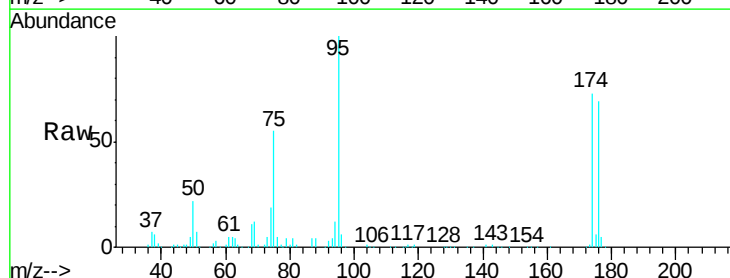
Tgt Ion: 75 Resp: 127209

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

