

Data File : VN058869.D
Acq On : 18 Oct 2019 19:23
Operator : JC/SP
Sample : K5452-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-EX3

Quant Time: Oct 21 08:03:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	375671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	590765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175027	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	291853	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
35) Dibromofluoromethane	7.57	113	207575	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.09	98	778245	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.40	95	233239	42.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.24%	

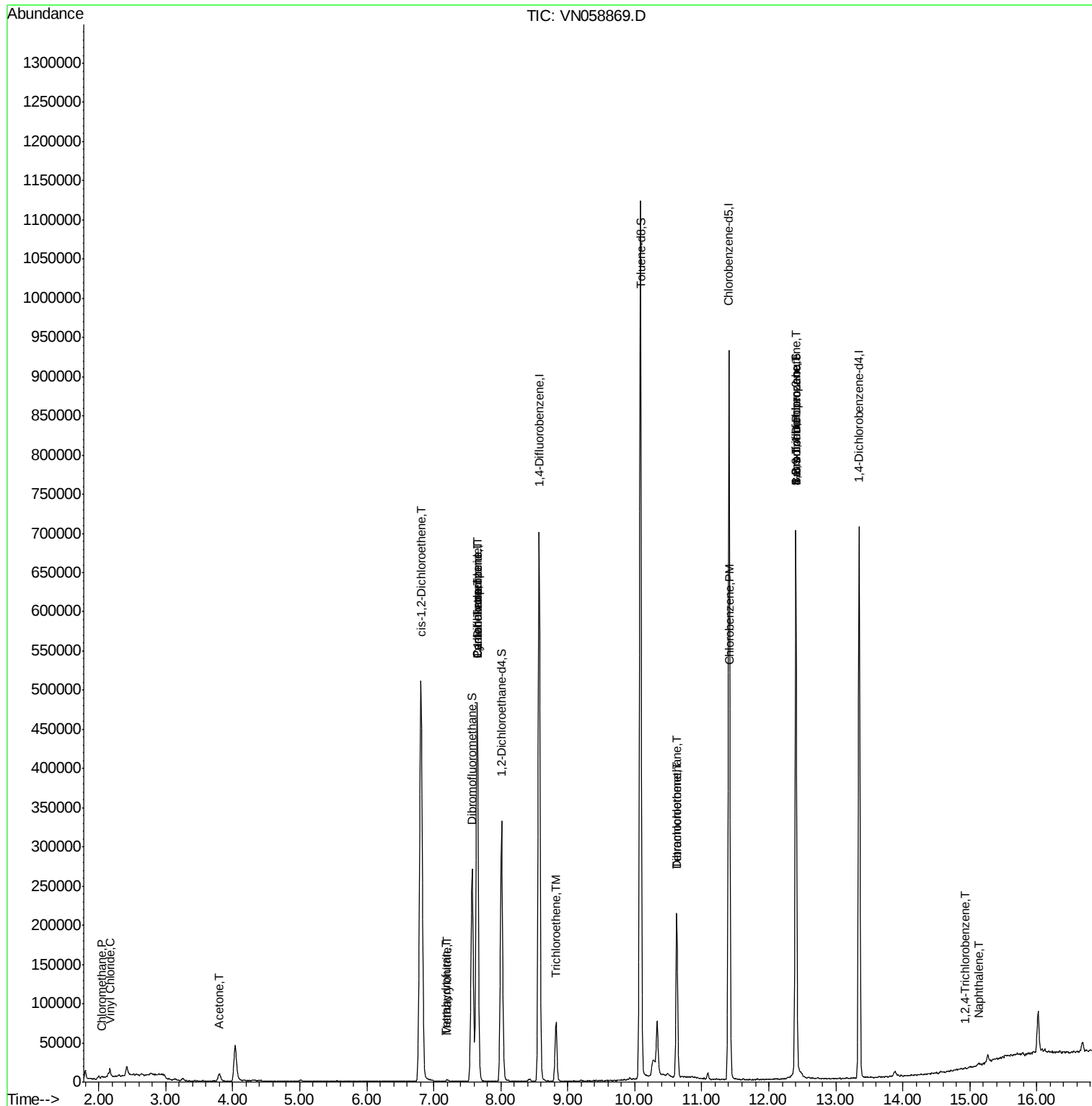
Target Compounds				Qvalue		
3) Chloromethane	2.04	50	1969	0.339	ug/l #	78
4) Vinyl Chloride	2.17	62	5559	0.965	ug/l	93
16) Acetone	3.80	43	17917	6.581	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	332117	71.085	ug/l	89
29) Tetrahydrofuran	7.18	42	531	0.246	ug/l #	73
31) Cyclohexane	7.65	56	9423	1.190	ug/l #	7
36) 1,1-Dichloropropene	7.65	75	32052	5.299	ug/l #	50
38) Carbon Tetrachloride	7.65	117	39603	6.356	ug/l #	16
41) Methacrylonitrile	7.19	41	1290	0.439	ug/l #	100
44) Trichloroethene	8.82	130	26404	6.103	ug/l	100
60) Dibromochloromethane	10.63	129	43436	9.301	ug/l #	10
64) Tetrachloroethene	10.63	164	47682	13.333	ug/l	96
65) Chlorobenzene	11.43	112	3310	0.318	ug/l	98
71) Bromoform	12.40	173	1273	0.418	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	124770	30.758	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	124770	80.128	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	242	2.586	ug/l #	15
95) Naphthalene	15.14	128	29	2.228	ug/l #	70

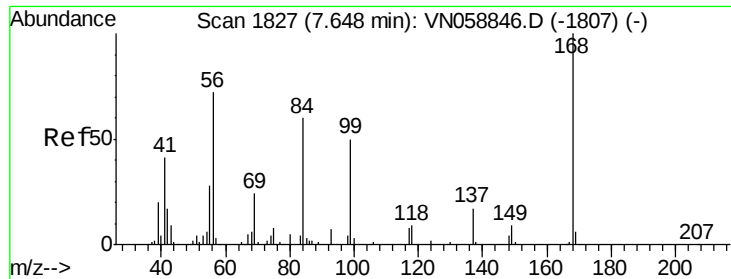
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

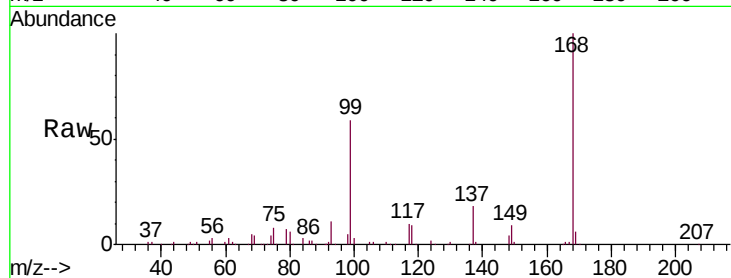
FA19-EX3

Tgt Ion: 168 Resp: 375671

Ion Ratio Lower Upper

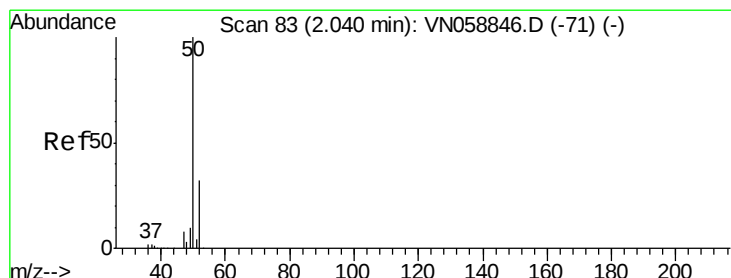
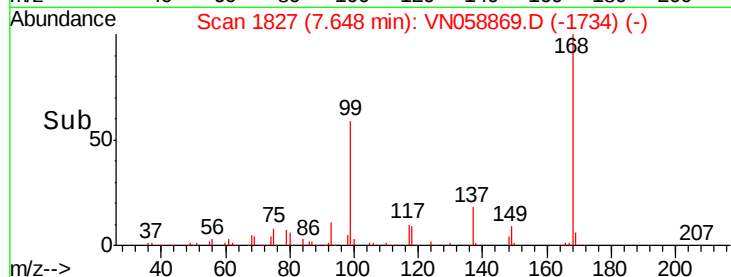
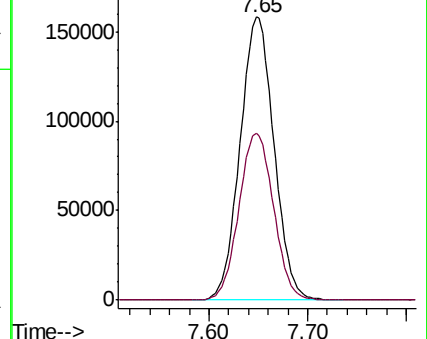
168 100

99 59.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.339 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058869.D

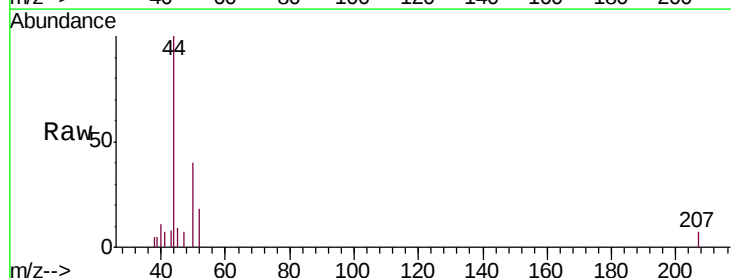
Acq: 18 Oct 2019 19:23

Tgt Ion: 50 Resp: 1969

Ion Ratio Lower Upper

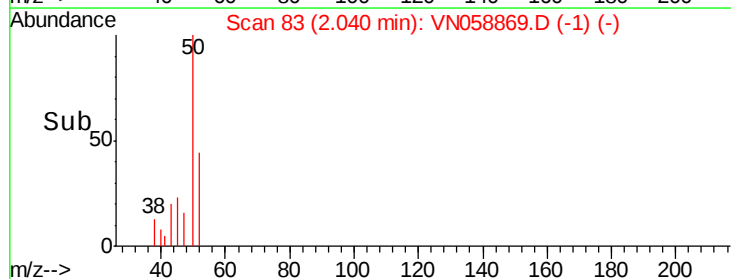
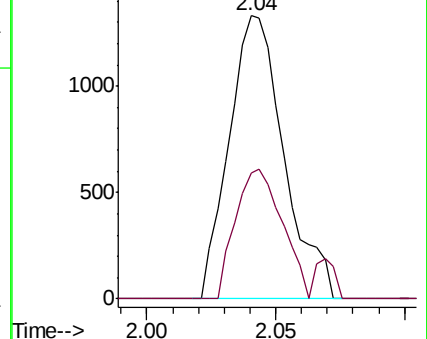
50 100

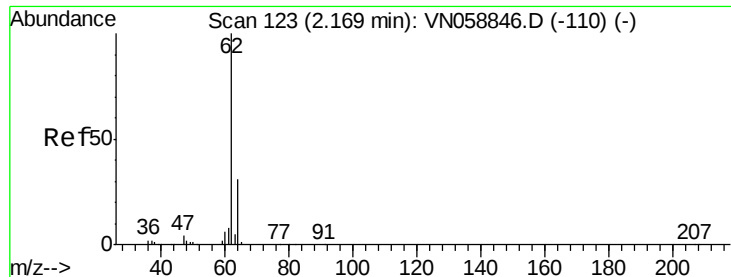
52 44.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 0.965 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

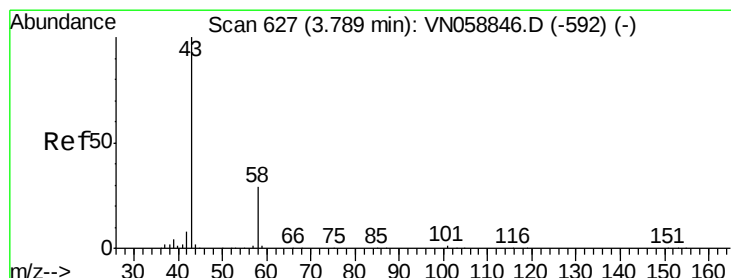
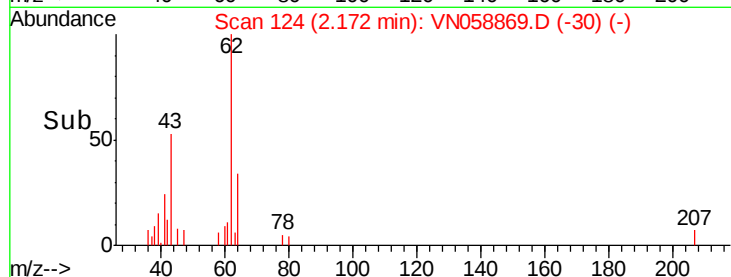
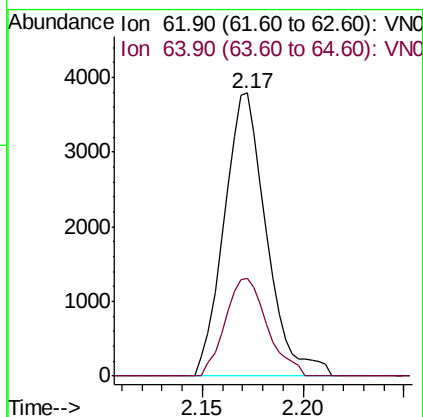
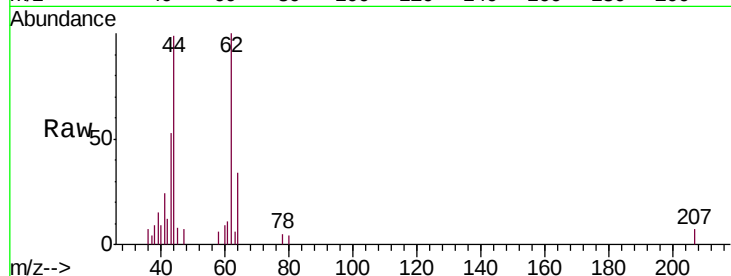
FA19-EX3

Tgt Ion: 62 Resp: 5559

Ion Ratio Lower Upper

62 100

64 34.5 24.6 36.8



#16

Acetone

Concen: 6.581 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058869.D

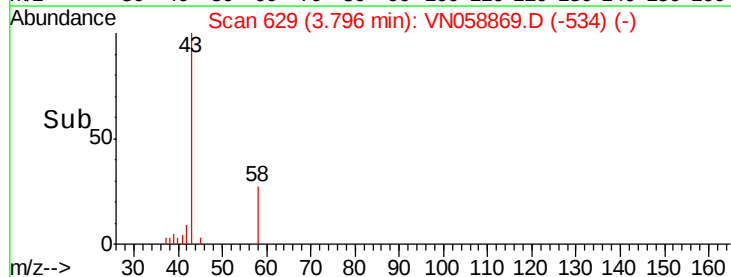
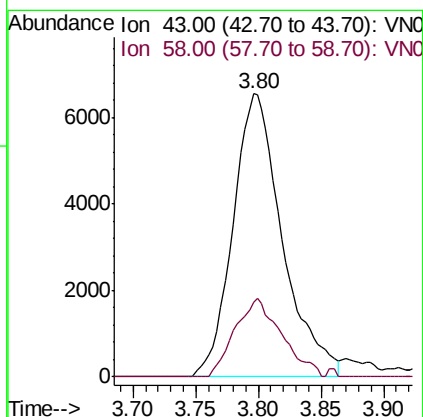
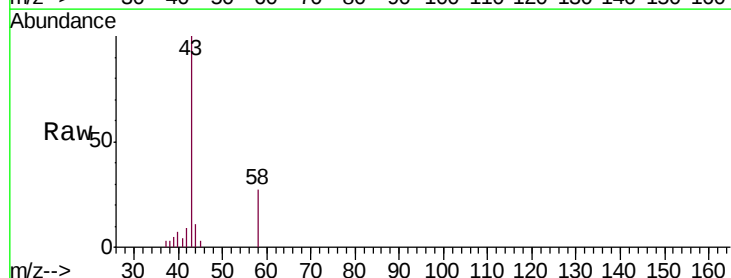
Acq: 18 Oct 2019 19:23

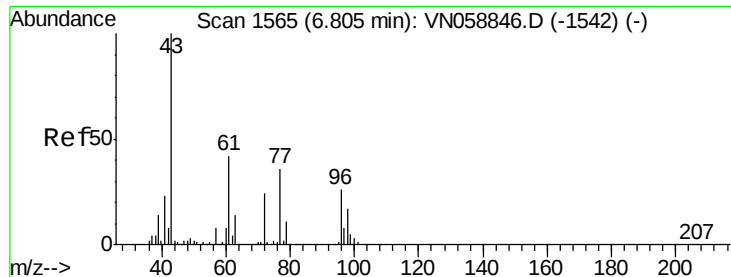
Tgt Ion: 43 Resp: 17917

Ion Ratio Lower Upper

43 100

58 26.5 23.1 34.7





#27

cis-1,2-Dichloroethene

Concen: 71.085 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

FA19-EX3

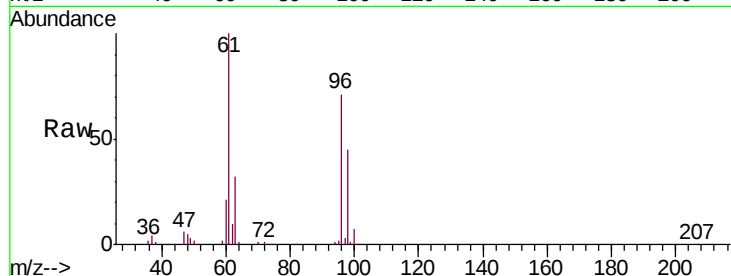
Tgt Ion: 96 Resp: 332117

Ion Ratio Lower Upper

96 100

61 141.5 0.0 325.0

98 64.0 0.0 128.0

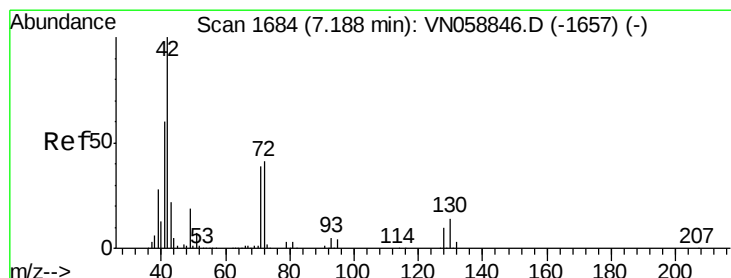
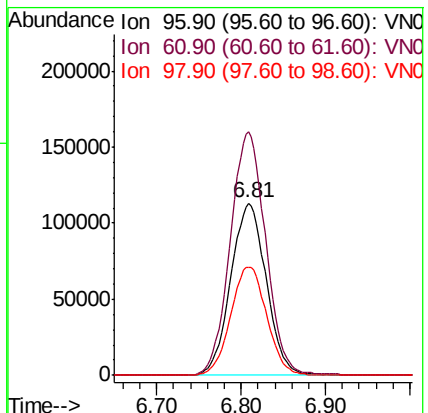
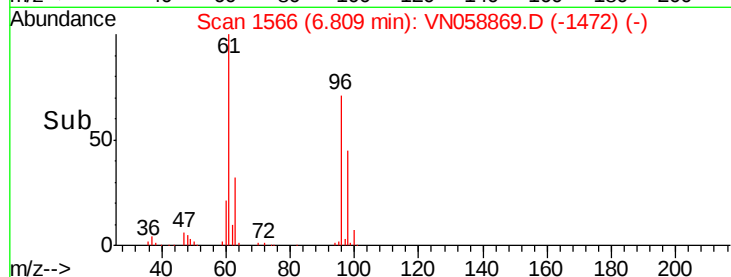


Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)

Time-->



#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

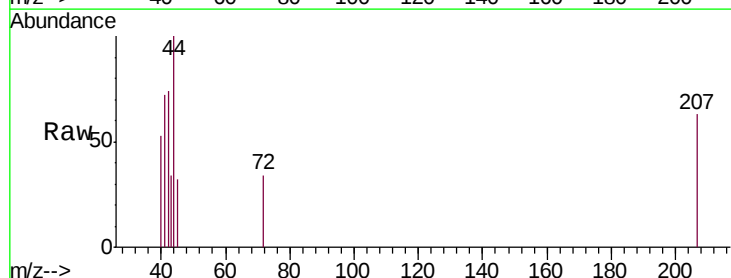
Tgt Ion: 42 Resp: 531

Ion Ratio Lower Upper

42 100

72 64.2 32.2 48.2#

71 47.3 30.6 45.8#

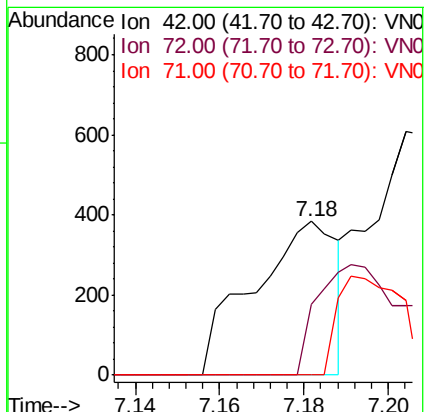
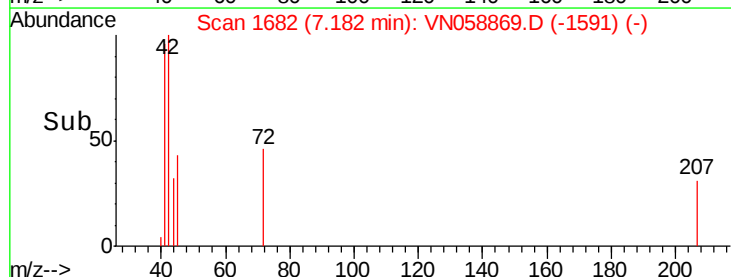


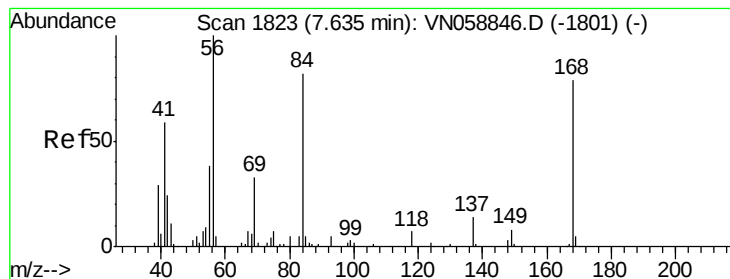
Abundance Ion 42.00 (41.70 to 42.70): VN058846.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN058846.D (-1657) (-)

Time-->





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

FA19-EX3

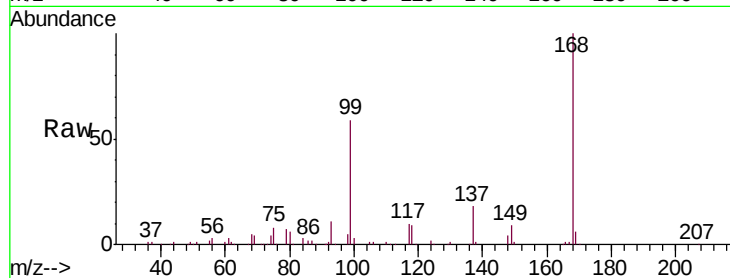
Tgt Ion: 56 Resp: 9423

Ion Ratio Lower Upper

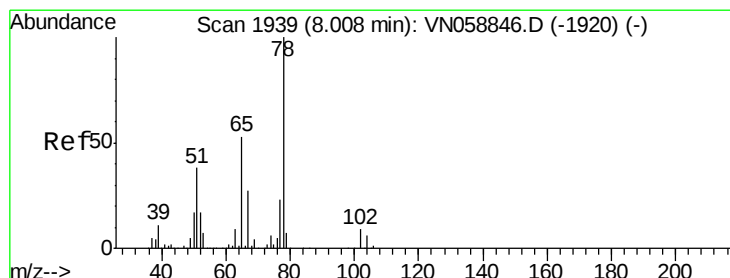
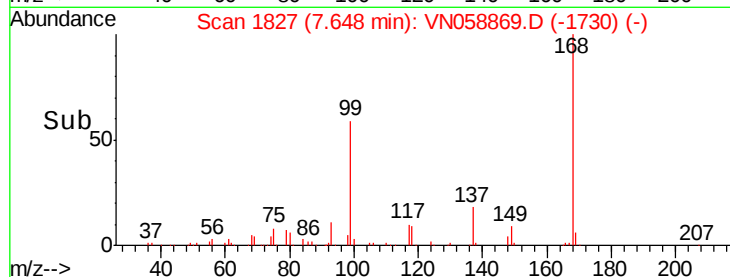
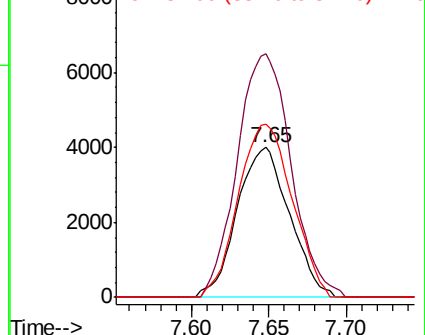
56 100

69 162.5 26.2 39.4#

84 115.9 65.6 98.4#



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



#33

1,2-Dichloroethane-d4

Concen: 52.970 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058869.D

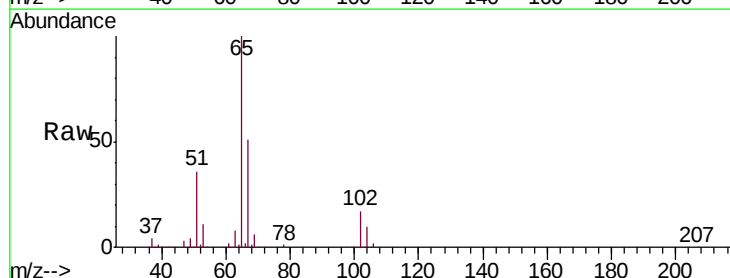
Acq: 18 Oct 2019 19:23

Tgt Ion: 65 Resp: 291853

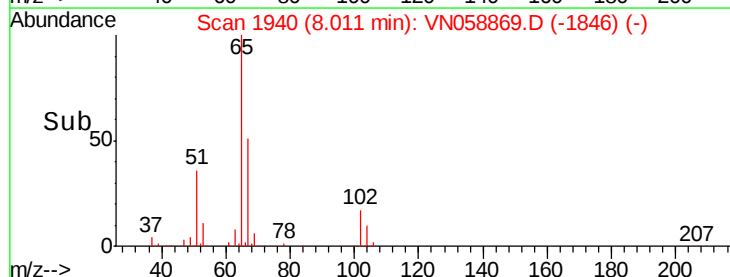
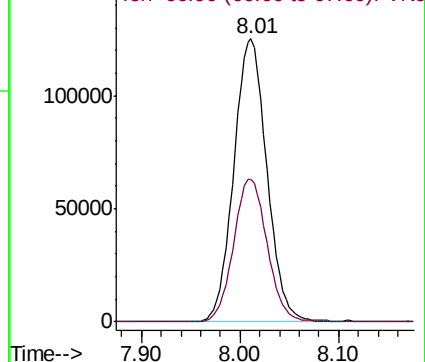
Ion Ratio Lower Upper

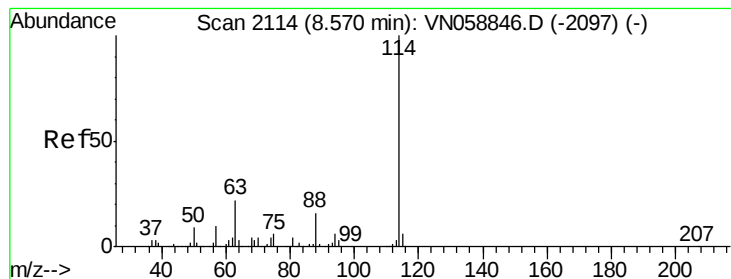
65 100

67 51.2 0.0 103.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

FA19-EX3

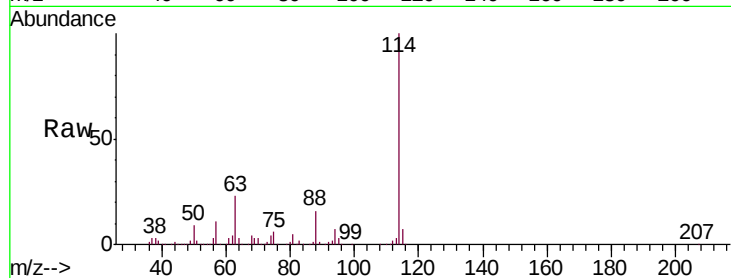
Tgt Ion:114 Resp: 590765

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.4

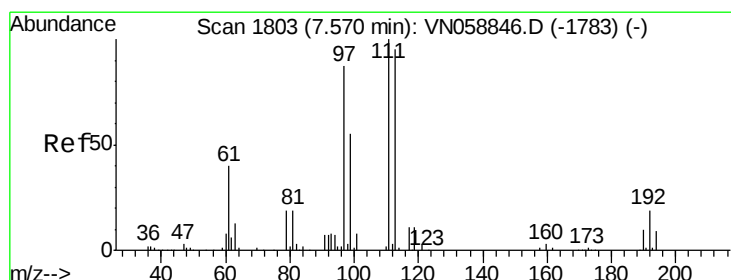
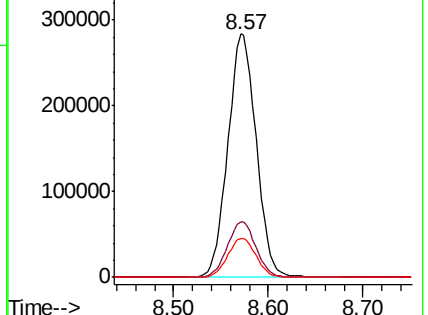
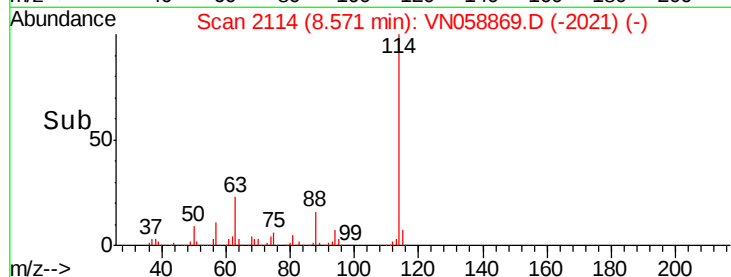
88 16.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.442 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

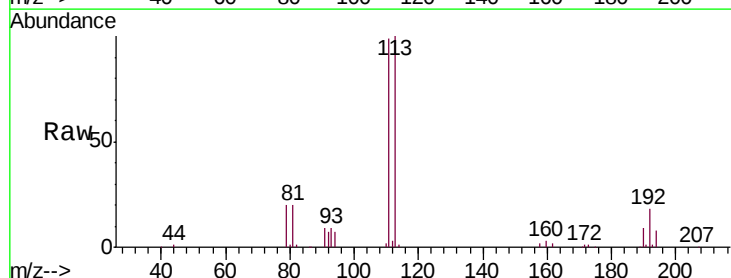
Tgt Ion:113 Resp: 207575

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

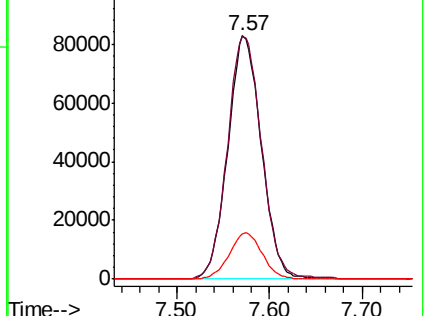
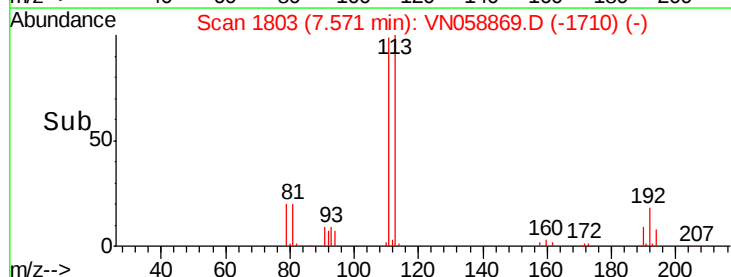
192 18.7 15.0 22.6

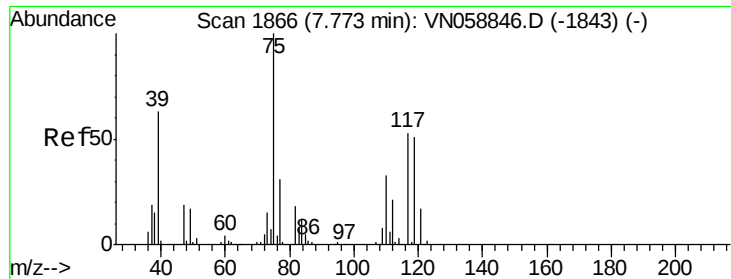


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

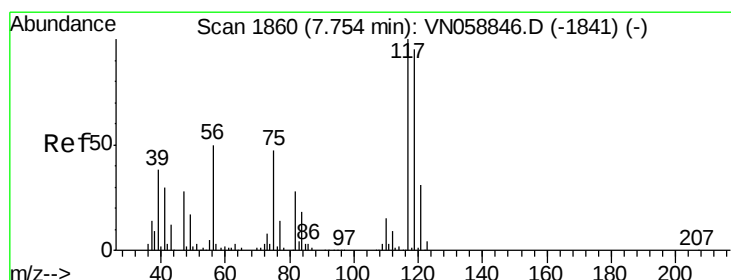
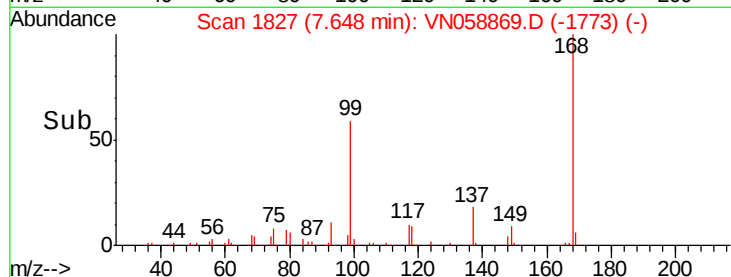
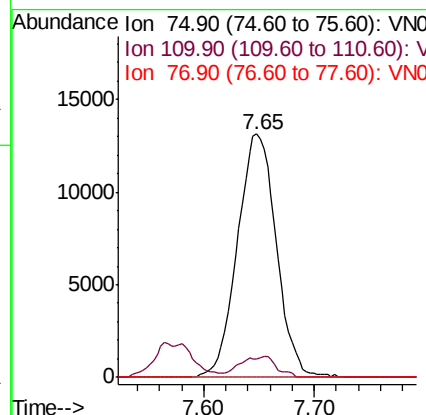
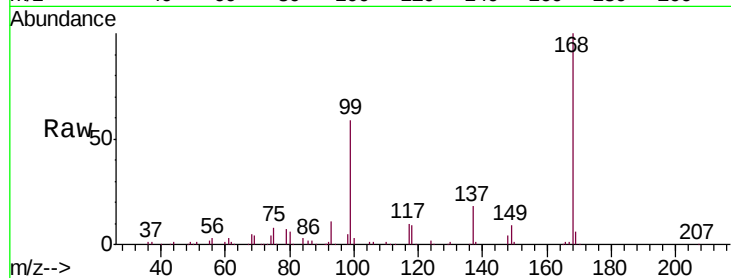




#36
 1,1-Dichloropropene
 Concen: 5.299 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058869.D
 Acq: 18 Oct 2019 19:23

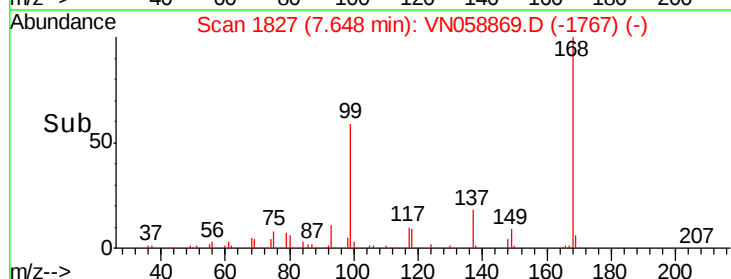
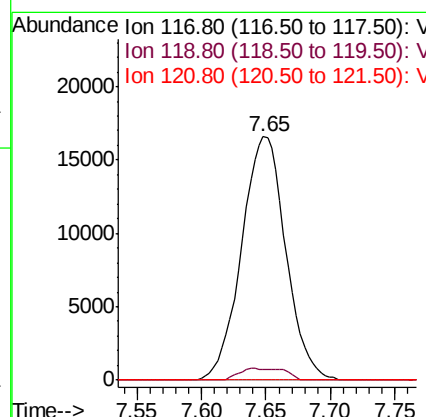
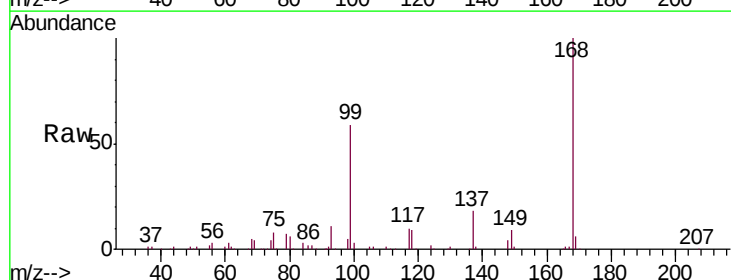
Instrument :
 MSVOA_N
 ClientSampled :
 FA19-EX3

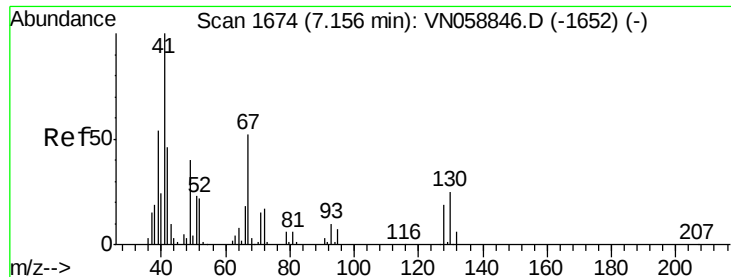
Tgt Ion: 75 Resp: 32052
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.3 48.9#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.356 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058869.D
 Acq: 18 Oct 2019 19:23

Tgt Ion: 117 Resp: 39603
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.7 113.5#
 121 0.0 25.0 37.6#

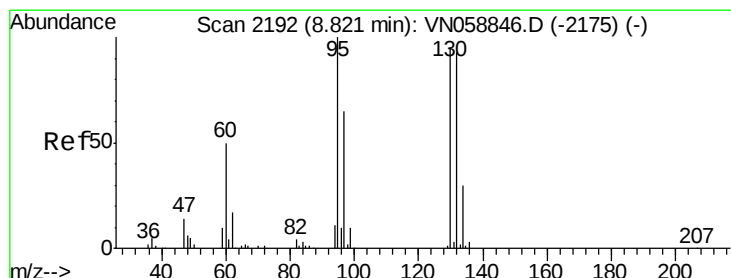
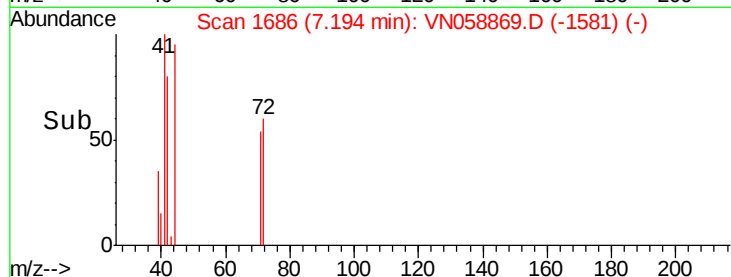
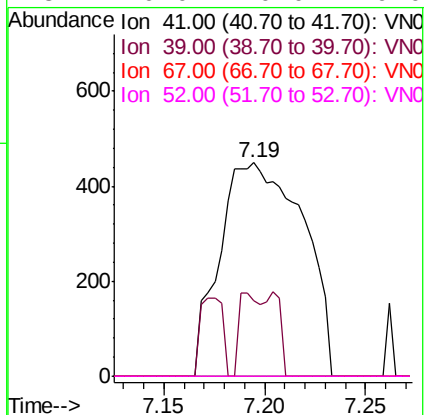
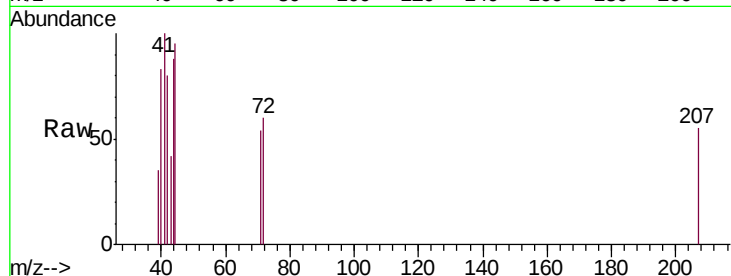




#41
Methacrylonitrile
Concen: 0.439 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058869.D
Acq: 18 Oct 2019 19:23

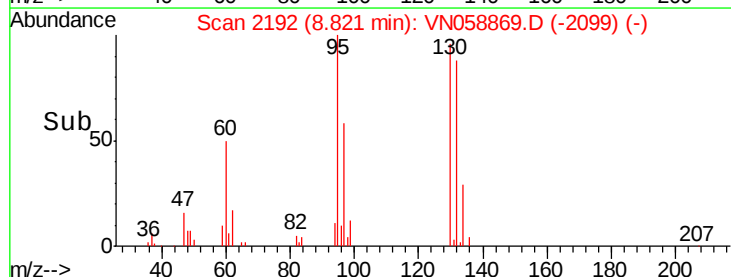
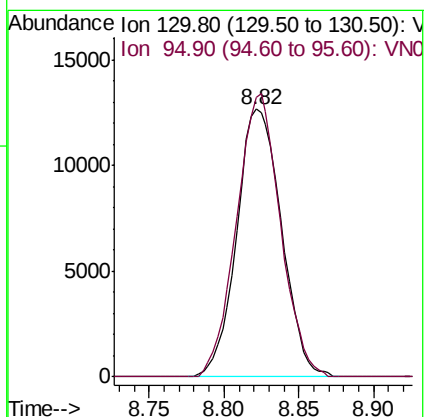
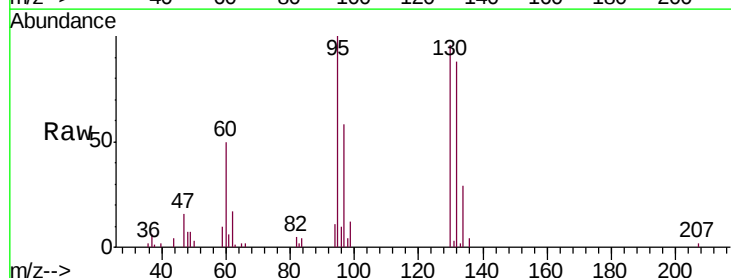
Instrument :
MSVOA_N
ClientSampleId :
FA19-EX3

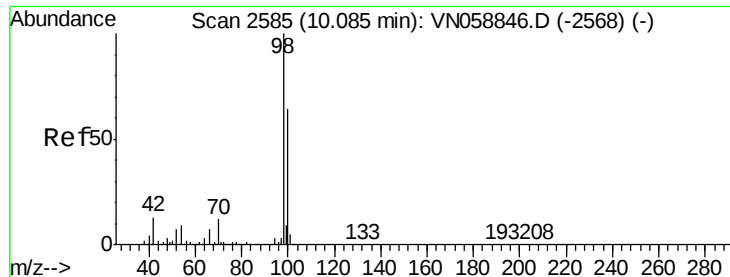
Tgt Ion:	41	Resp:	1290
Ion	Ratio	Lower	Upper
41	100		
39	9.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#44
Trichloroethene
Concen: 6.103 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058869.D
Acq: 18 Oct 2019 19:23

Tgt Ion:	130	Resp:	26404
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	209.6





#50

Toluene-d8

Concen: 51.616 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

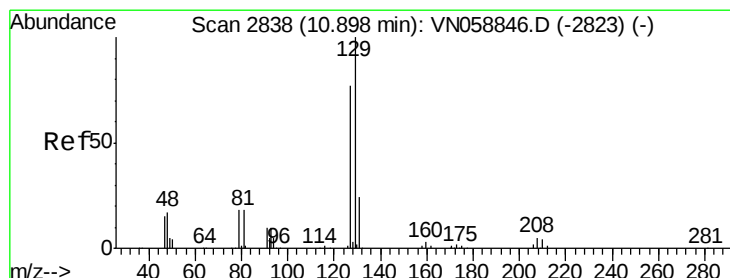
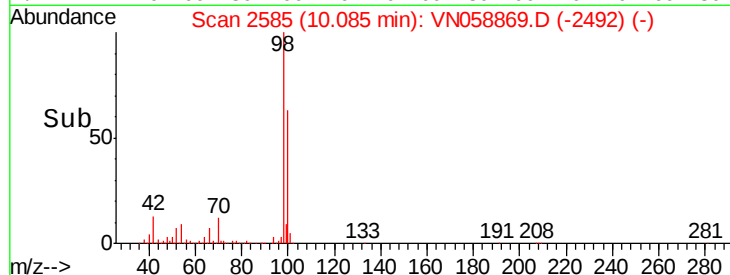
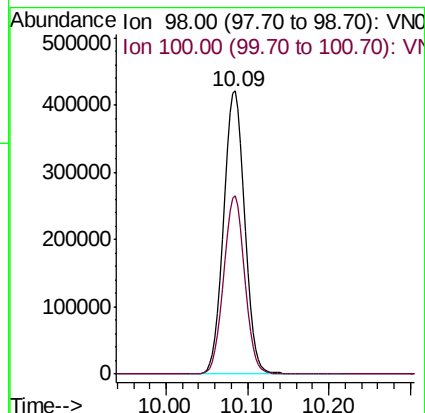
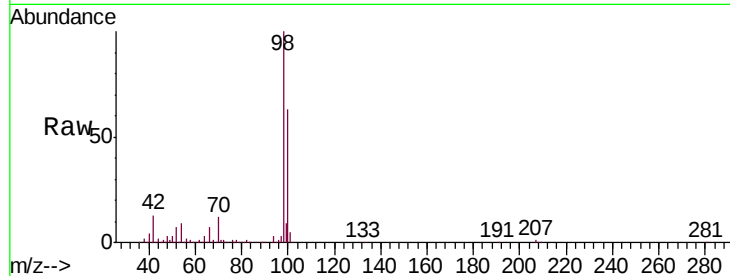
FA19-EX3

Tgt Ion: 98 Resp: 778245

Ion Ratio Lower Upper

98 100

100 62.9 51.4 77.2



#60

Dibromochloromethane

Concen: 9.301 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.27 min

Lab File: VN058869.D

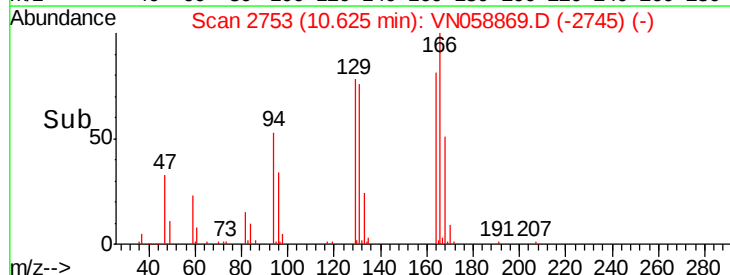
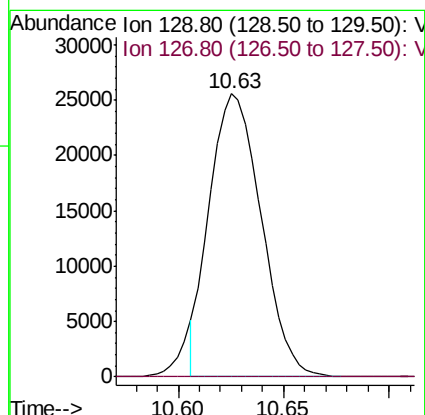
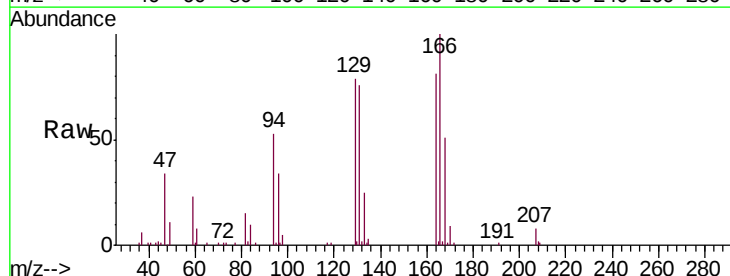
Acq: 18 Oct 2019 19:23

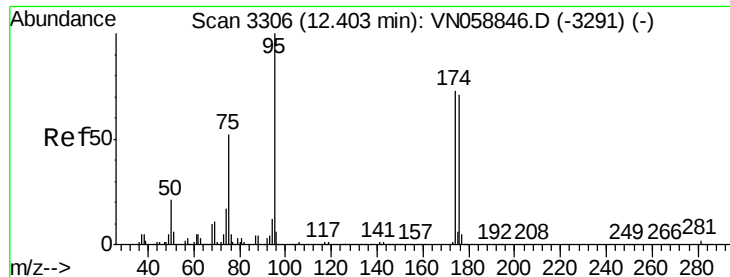
Tgt Ion: 129 Resp: 43436

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 42.124 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

FA19-EX3

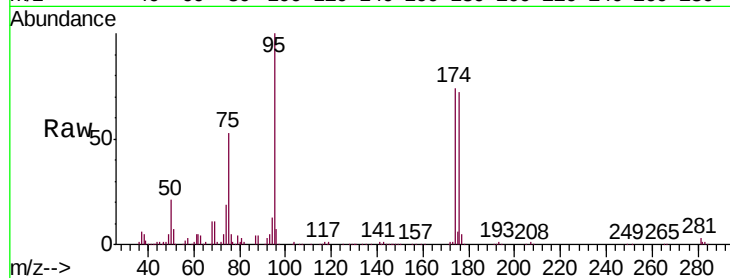
Tgt Ion: 95 Resp: 233239

Ion Ratio Lower Upper

95 100

174 75.6 0.0 147.6

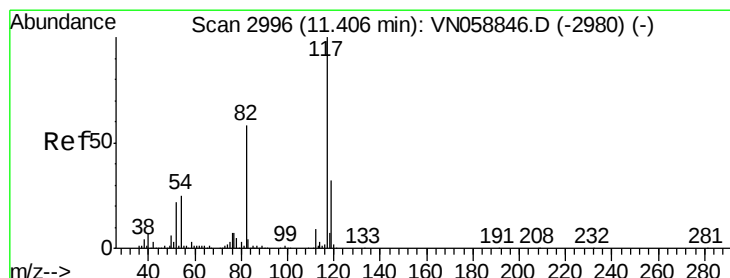
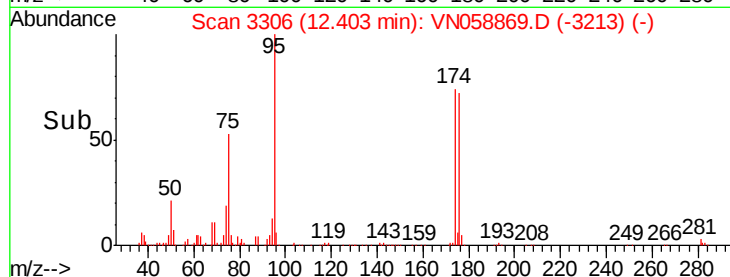
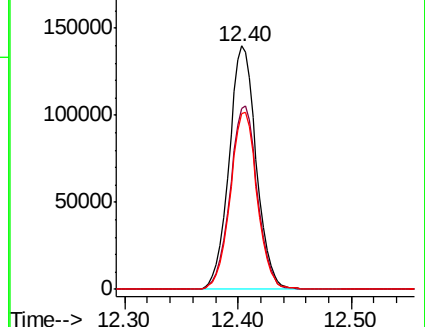
176 72.0 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

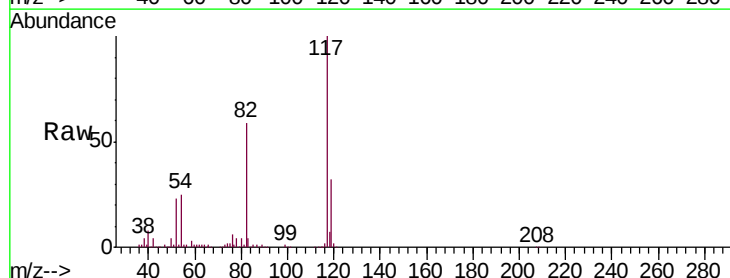
Tgt Ion: 117 Resp: 510639

Ion Ratio Lower Upper

117 100

82 58.7 46.6 69.8

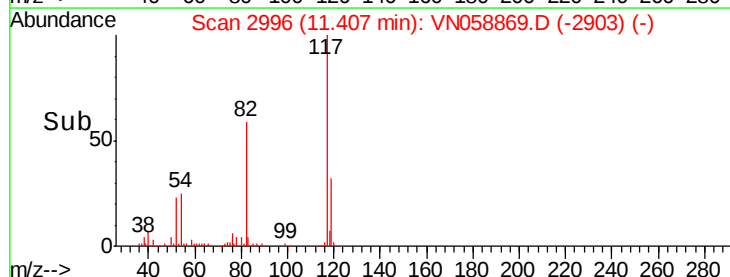
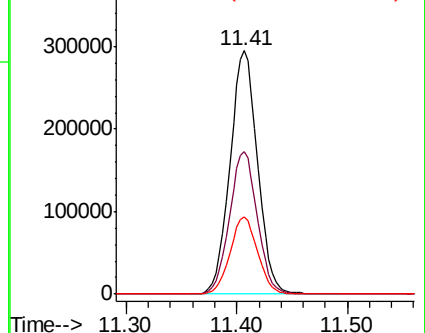
119 31.8 25.6 38.4

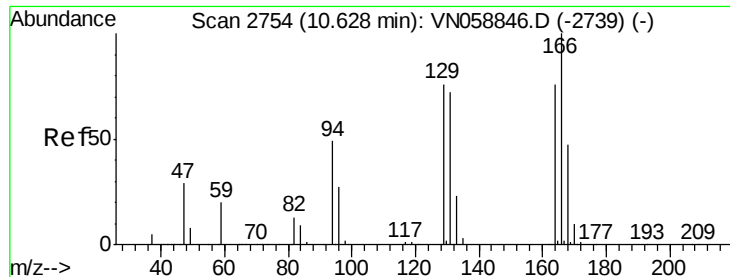


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)





#64

Tetrachloroethene

Concen: 13.333 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

FA19-EX3

Tgt Ion:164 Resp: 47682

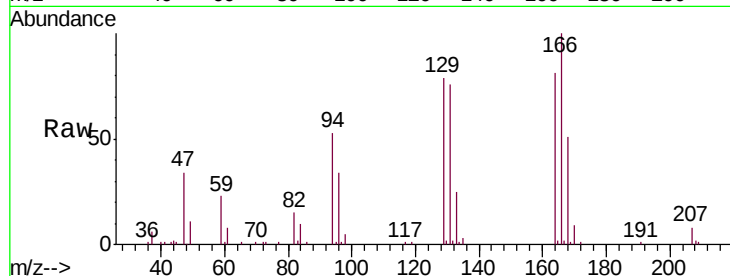
Ion Ratio Lower Upper

164 100

166 123.1 104.8 157.2

129 97.0 79.3 118.9

131 93.1 75.8 113.6



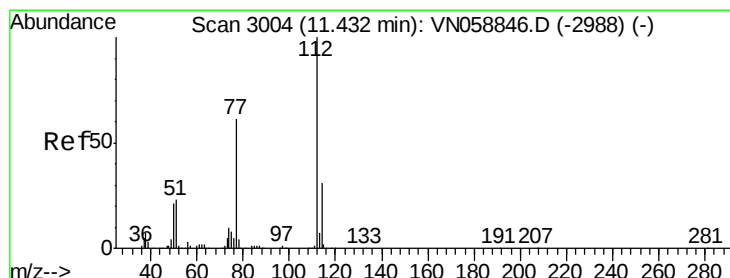
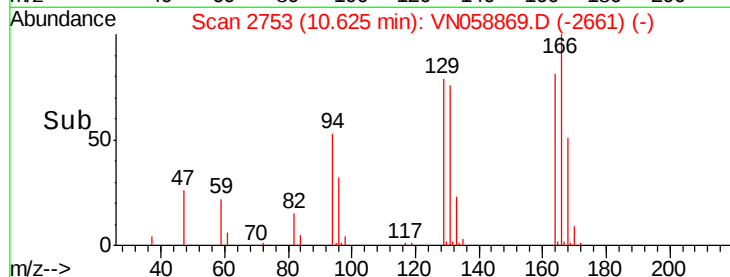
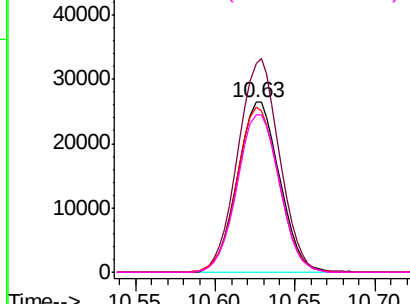
Abundance

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



#65

Chlorobenzene

Concen: 0.318 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN058869.D

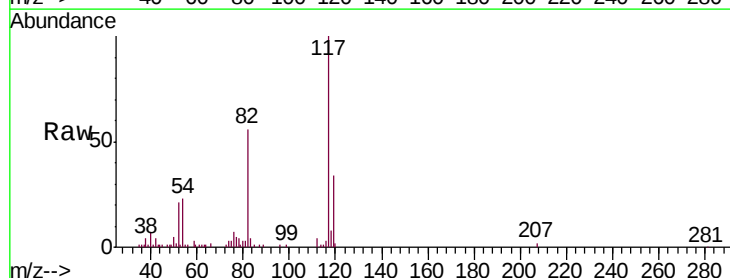
Acq: 18 Oct 2019 19:23

Tgt Ion:112 Resp: 3310

Ion Ratio Lower Upper

112 100

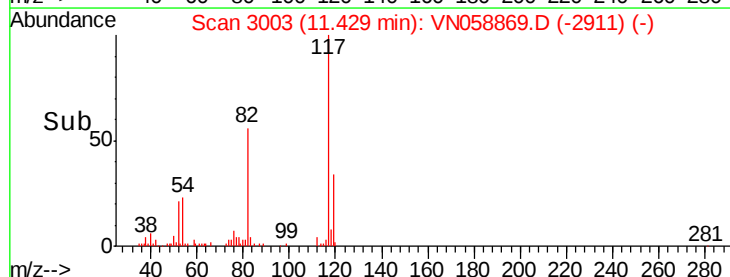
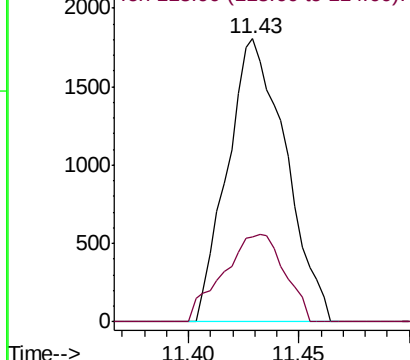
114 30.0 25.1 37.7

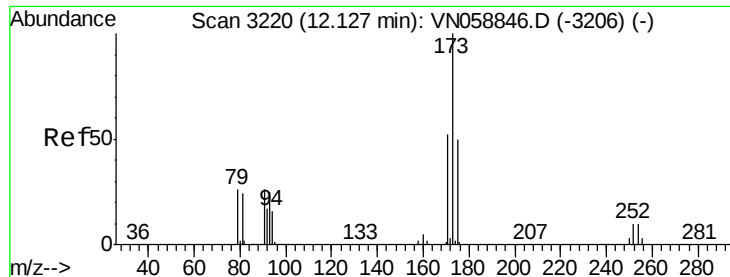


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.418 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

FA19-EX3

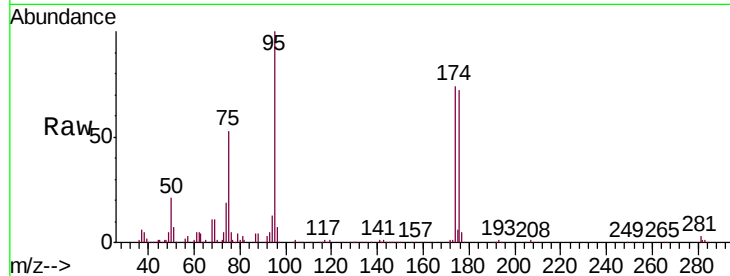
Tgt Ion:173 Resp: 1273

Ion Ratio Lower Upper

173 100

175 878.7 24.7 74.1#

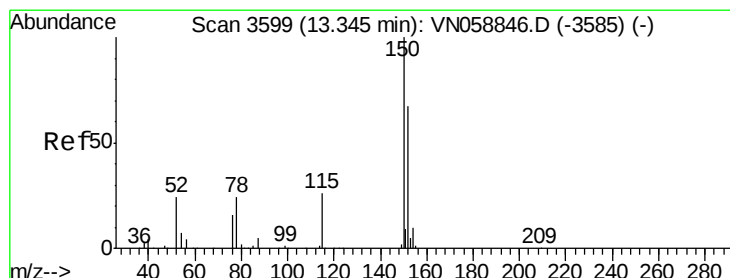
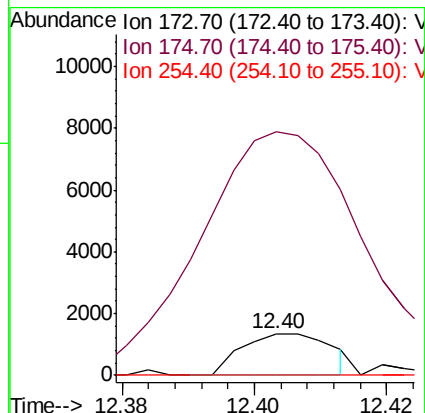
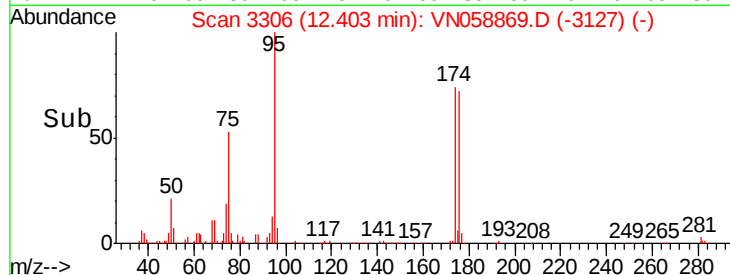
254 0.0 0.0 0.0



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# 3600

Delta R.T. 0.00 min

Lab File: VN058869.D

Acq: 18 Oct 2019 19:23

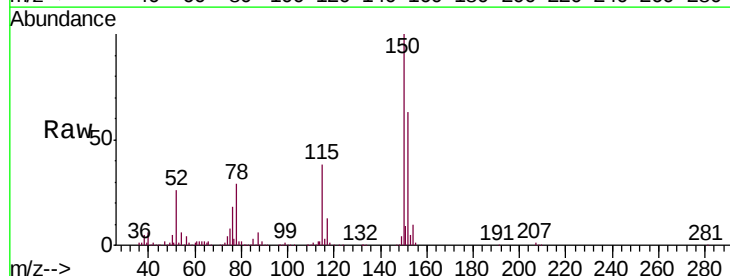
Tgt Ion:152 Resp: 175027

Ion Ratio Lower Upper

152 100

115 61.3 30.5 91.5

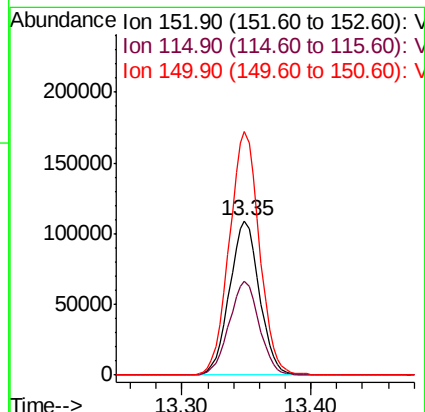
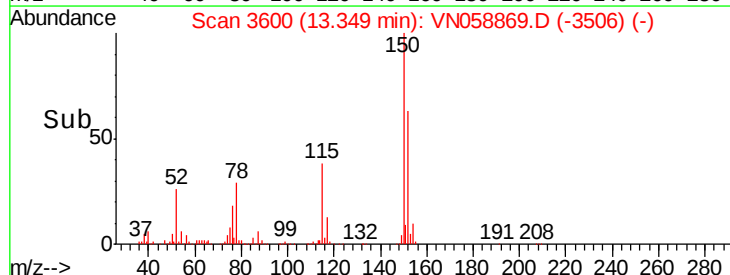
150 158.9 0.0 344.4

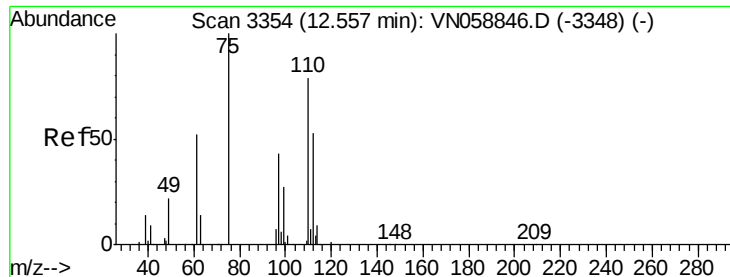


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

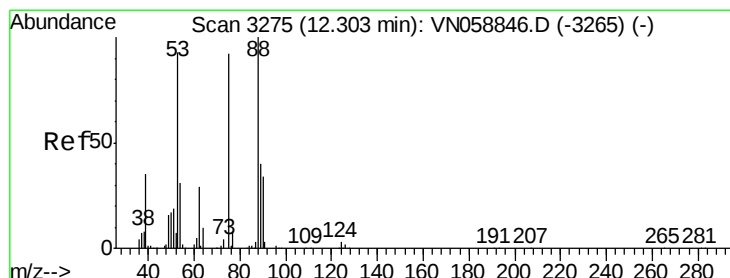
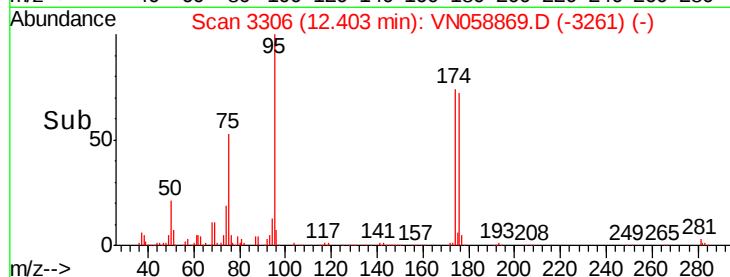
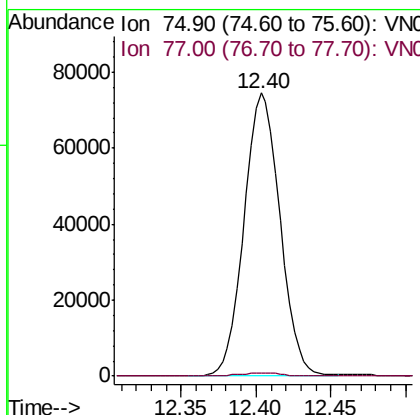
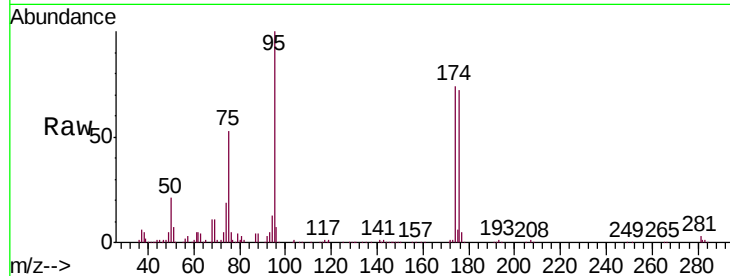




#76
 1,2,3-Trichloropropane
 Concen: 30.758 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058869.D
 Acq: 18 Oct 2019 19:23

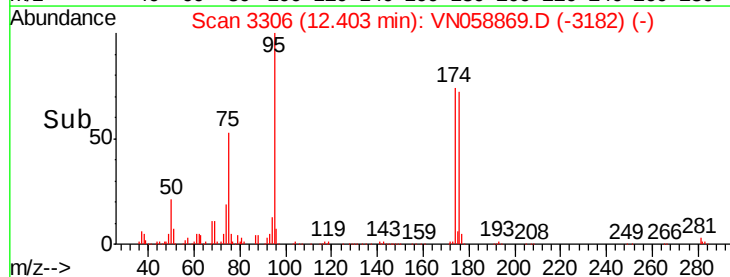
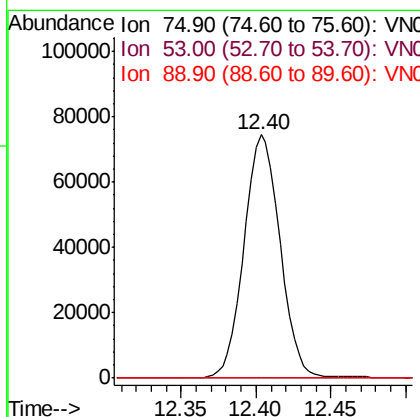
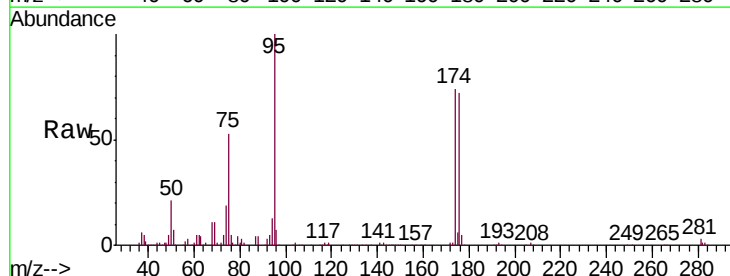
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-EX3

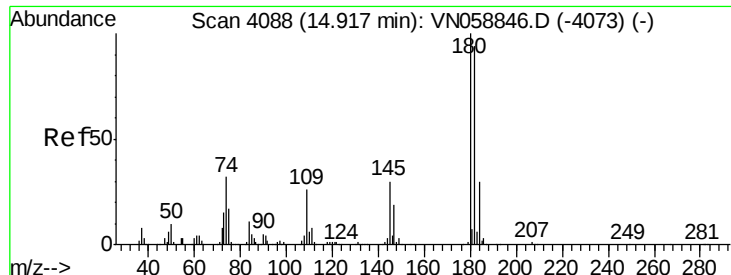
Tgt Ion: 75 Resp: 124770
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.128 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058869.D
 Acq: 18 Oct 2019 19:23

Tgt Ion: 75 Resp: 124770
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.1 35.4 53.0#

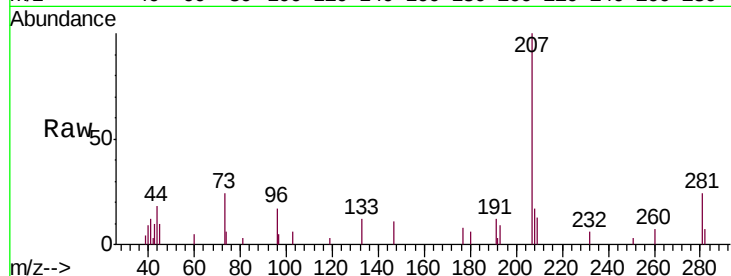




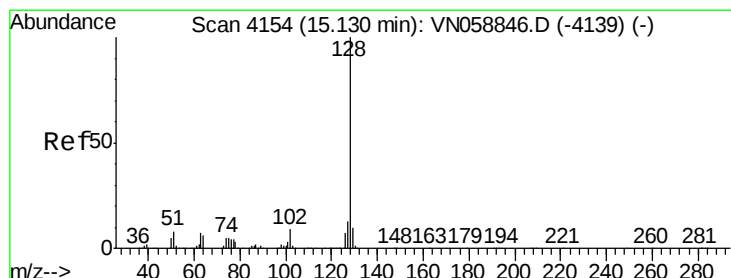
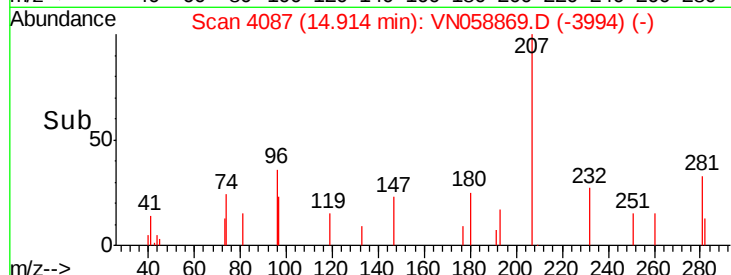
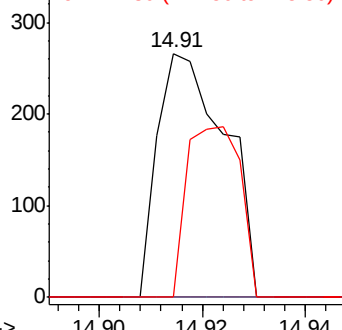
#93
 1,2,4-Trichlorobenzene
 Concen: 2.586 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058869.D
 Acq: 18 Oct 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-EX3

Tgt Ion:180 Resp: 242
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 55.0 15.3 45.8#

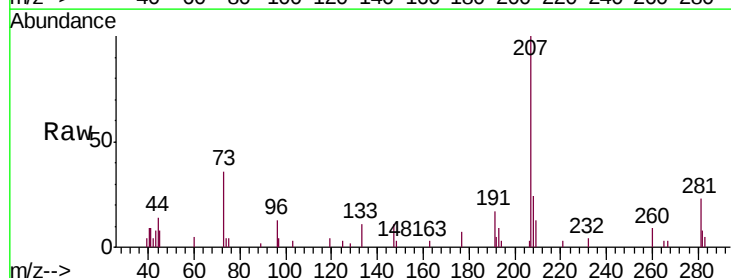


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 2.228 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN058869.D
 Acq: 18 Oct 2019 19:23

Tgt Ion:128 Resp: 29
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.4 12.6#



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

