

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058806.D
 Acq On : 16 Oct 2019 16:55
 Operator : JC/SP
 Sample : K5396-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7348

Quant Time: Oct 17 04:27:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	388495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	609924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207943	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	287433	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.57	113	207025	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	10.09	98	785254	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.41	95	251807	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	

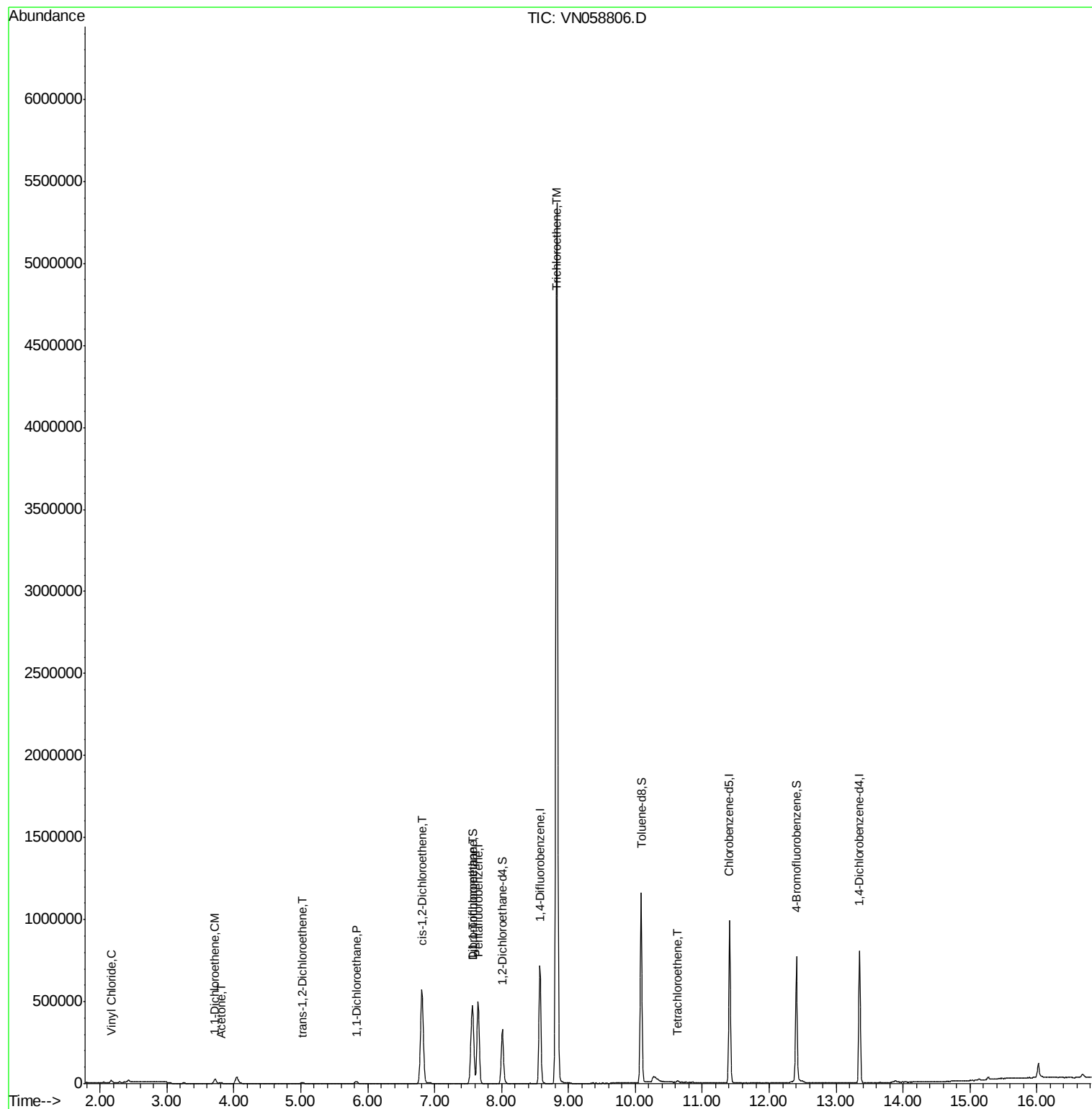
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	14014	2.446	ug/l	95
12) 1,1-Dichloroethene	3.72	96	13473	3.611	ug/l	98
16) Acetone	3.81	43	9295	4.128	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	4790	1.148	ug/l	88
24) 1,1-Dichloroethane	5.83	63	17748	2.129	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	367095	75.431	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	247428	34.634	ug/l	99
44) Trichloroethene	8.82	130	1883012	428.134	ug/l	100
64) Tetrachloroethene	10.63	164	2303	0.611	ug/l	95

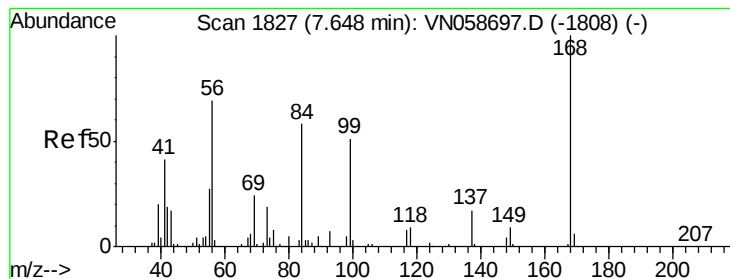
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

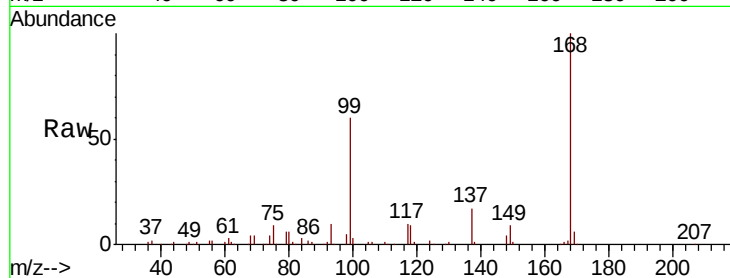
FA19-JBW7348

Tot Ion:168 Resp: 388495

Ion Ratio Lower Upper

168 100

99 59.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

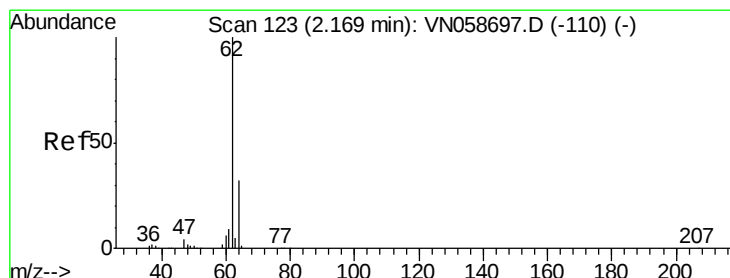
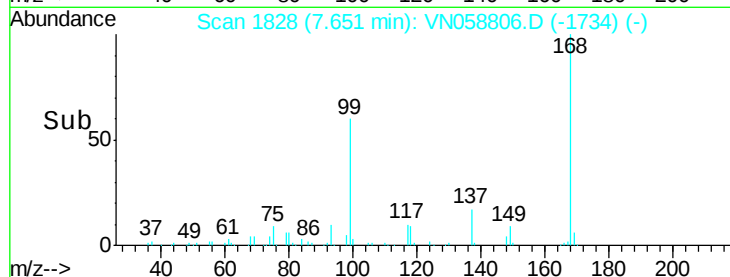
100000

50000

0

7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 2.446 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058806.D

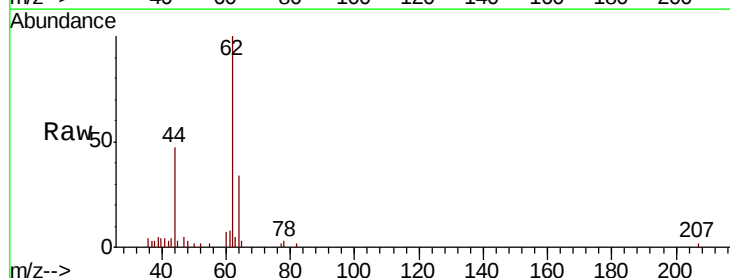
Acq: 16 Oct 2019 16:55

Tgt Ion: 62 Resp: 14014

Ion Ratio Lower Upper

62 100

64 34.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.17

10000

8000

6000

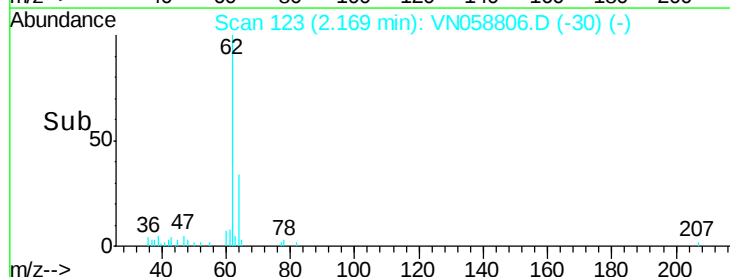
4000

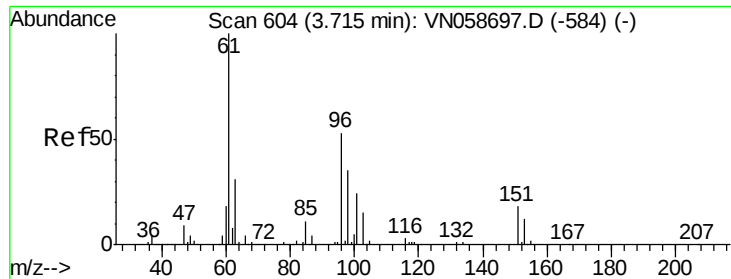
2000

0

2.10 2.15 2.20 2.25

Time-->





#12

1,1-Dichloroethene

Concen: 3.611 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348

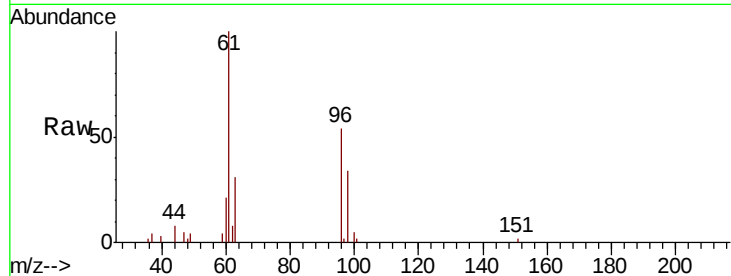
Tot Ion: 96 Resp: 13473

Ion Ratio Lower Upper

96 100

61 186.2 151.3 226.9

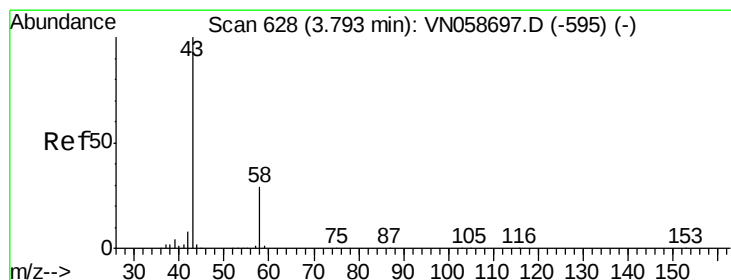
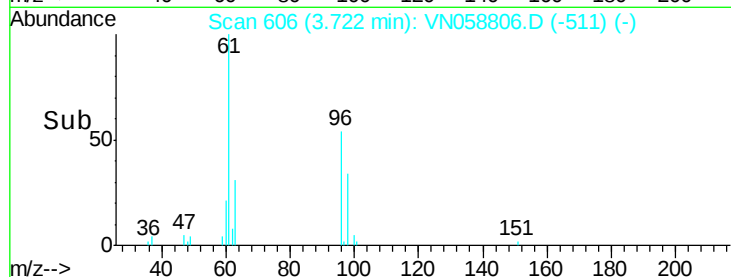
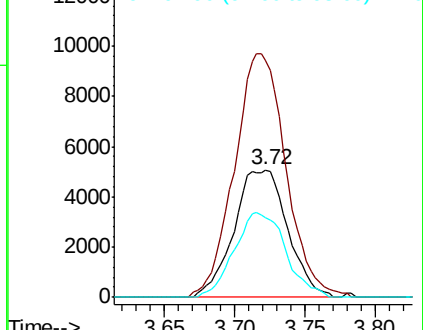
98 62.7 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 4.128 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058806.D

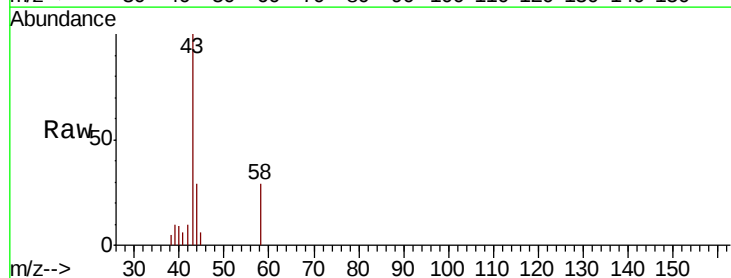
Acq: 16 Oct 2019 16:55

Tgt Ion: 43 Resp: 9295

Ion Ratio Lower Upper

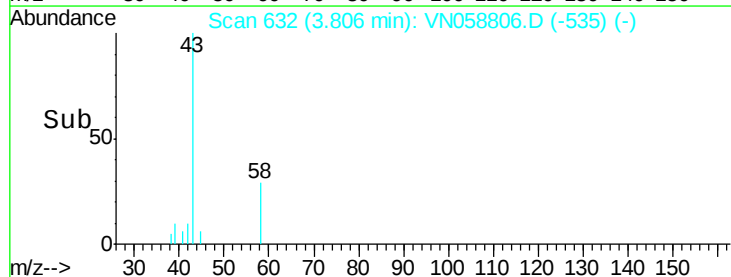
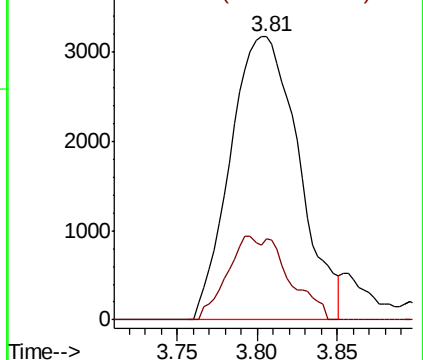
43 100

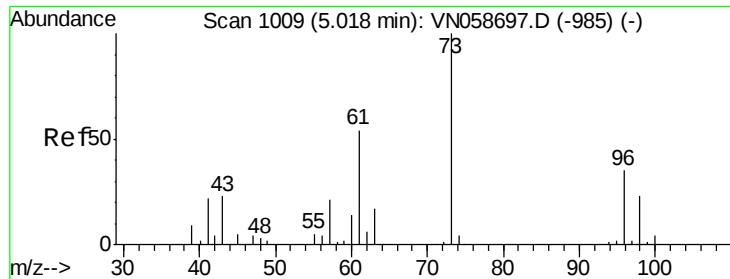
58 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#21

trans-1,2-Dichloroethene

Concen: 1.148 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampled :

FA19-JBW7348

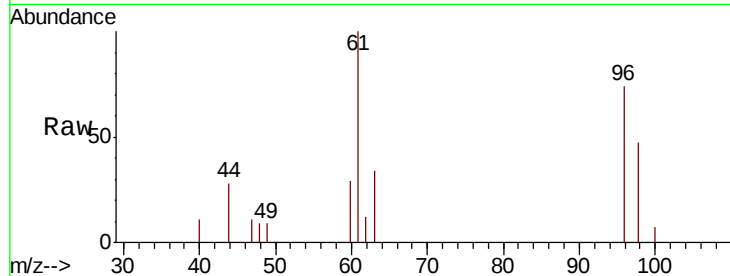
Tot Ion: 96 Resp: 4790

Ion Ratio Lower Upper

96 100

61 134.6 123.6 185.4

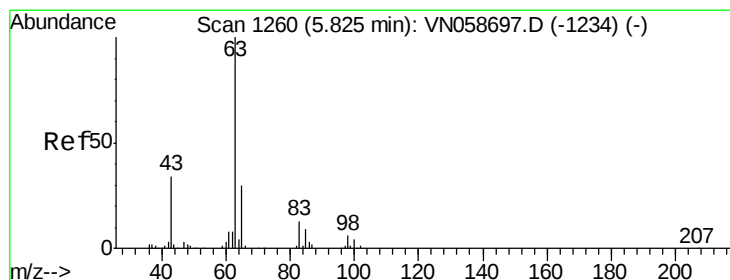
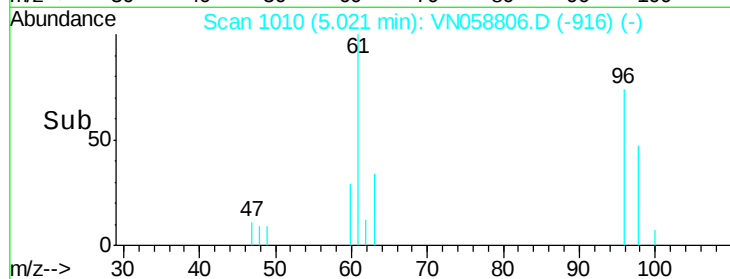
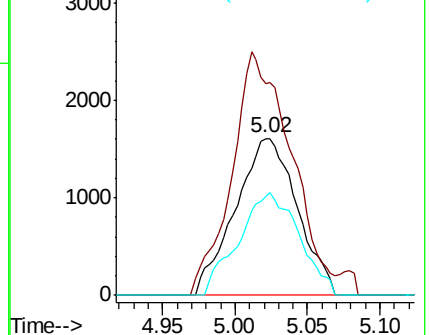
98 63.1 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VN058806.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN058806.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN058806.D (-916) (-)



#24

1,1-Dichloroethane

Concen: 2.129 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

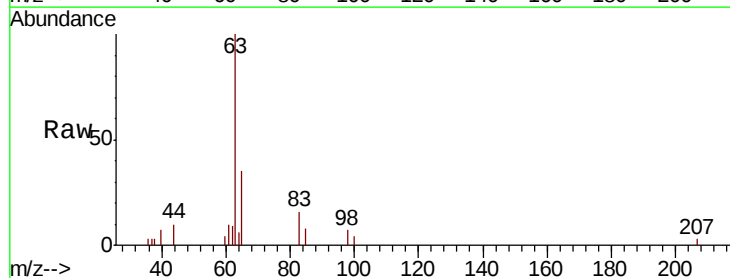
Tgt Ion: 63 Resp: 17748

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.6

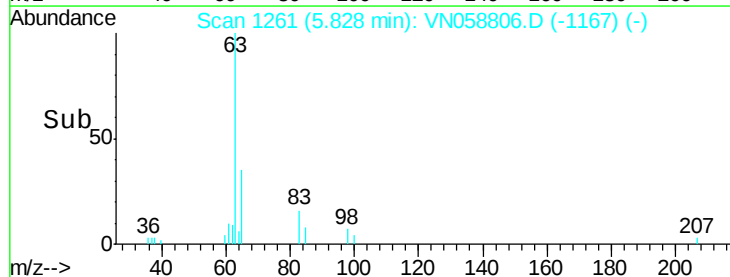
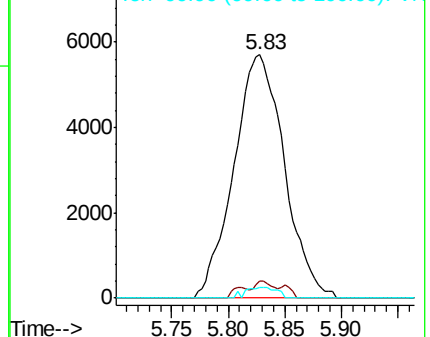
100 4.2 1.8 5.5

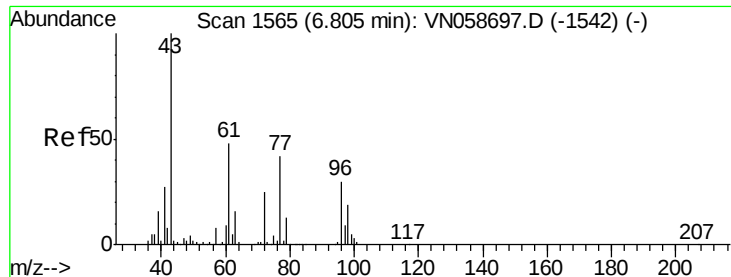


Abundance Ion 62.90 (62.60 to 63.60): VN058806.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058806.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058806.D (-1167) (-)





#27

cis-1,2-Dichloroethene

Concen: 75.431 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348

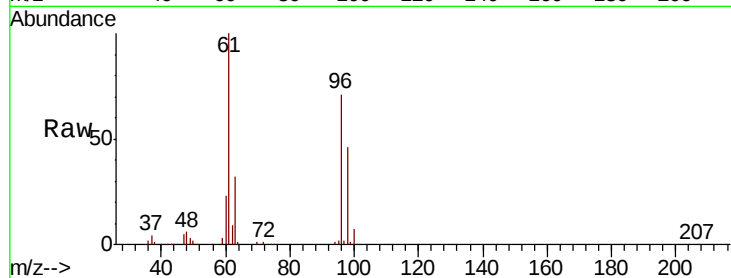
Tot Ion: 96 Resp: 367095

Ion Ratio Lower Upper

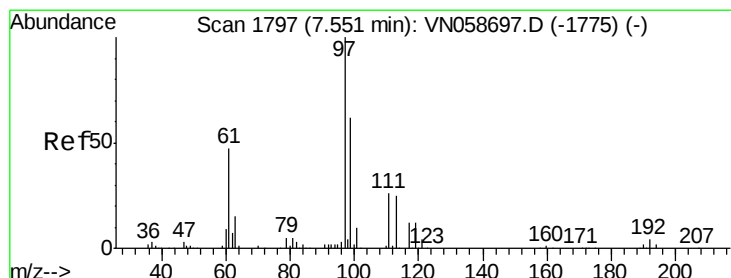
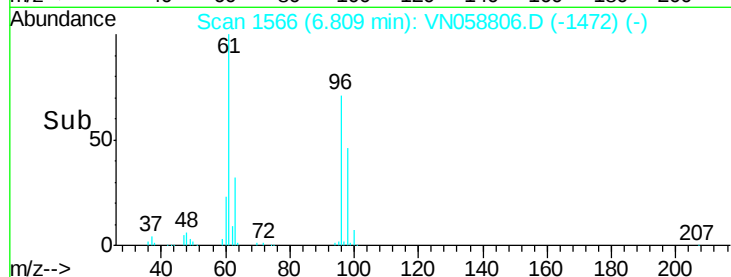
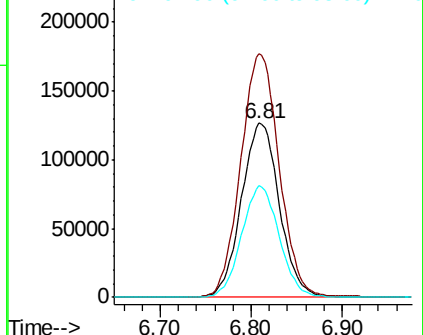
96 100

61 142.0 0.0 324.8

98 63.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#32

1,1,1-Trichloroethane

Concen: 34.634 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

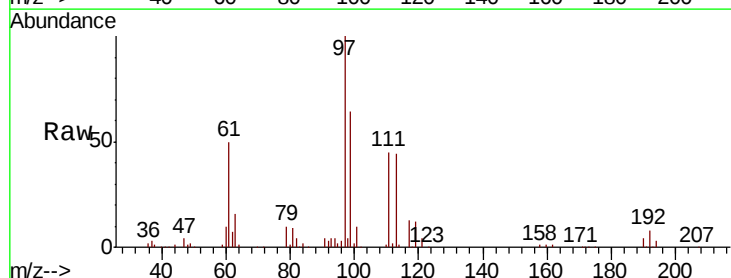
Tgt Ion: 97 Resp: 247428

Ion Ratio Lower Upper

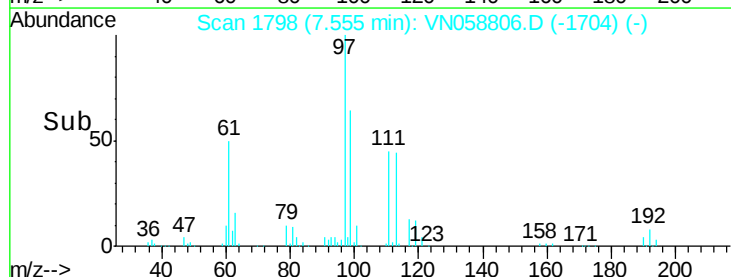
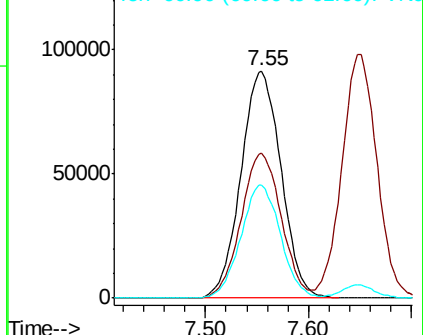
97 100

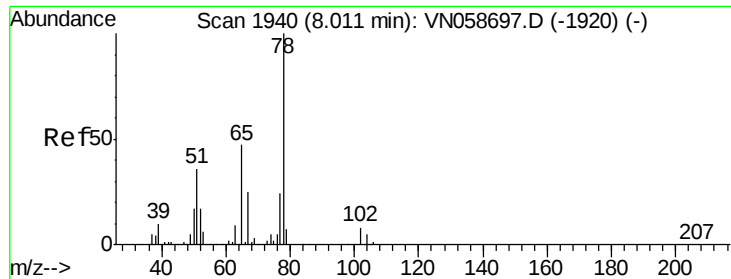
99 63.8 50.8 76.2

61 49.2 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

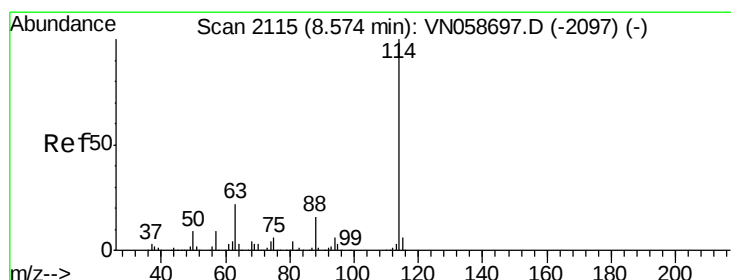
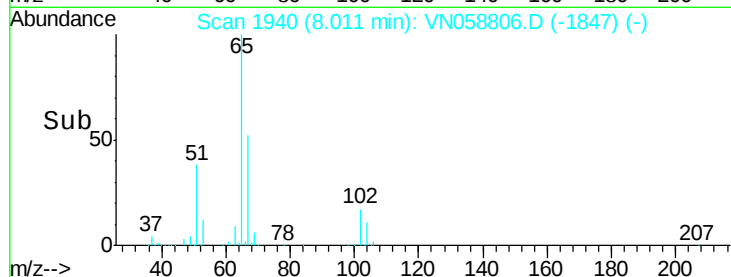
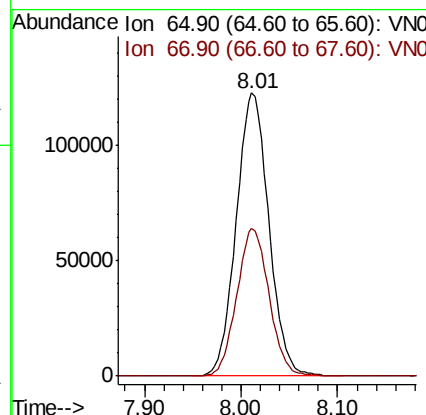
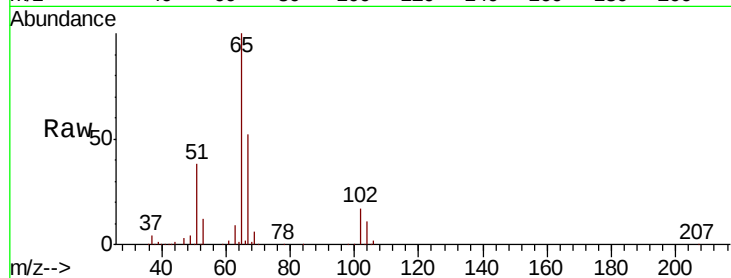




#33
 1,2-Dichloroethane-d4
 Concen: 52.848 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058806.D
 Acq: 16 Oct 2019 16:55

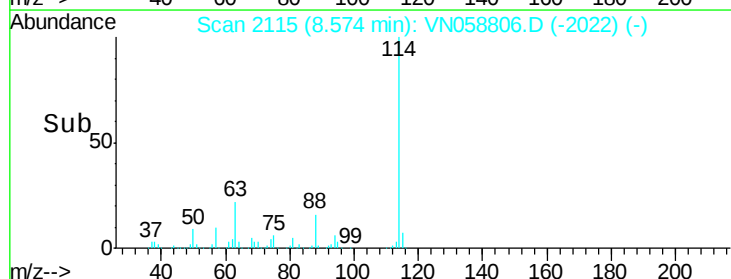
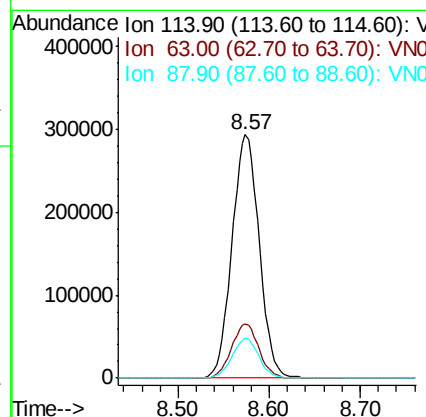
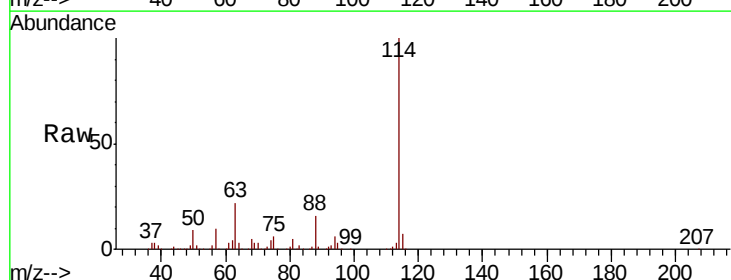
Instrument :
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 FA19-JBW7348

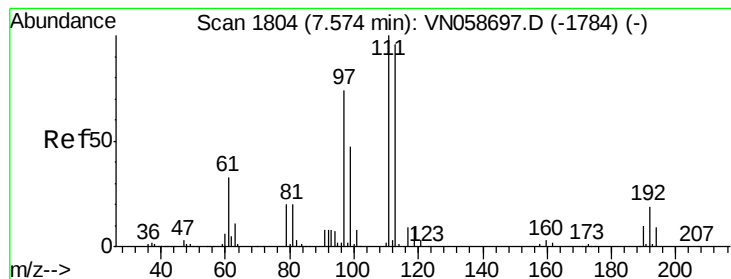
Tot Ion: 65 Resp: 287433
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058806.D
 Acq: 16 Oct 2019 16:55

Tgt Ion: 114 Resp: 609924
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.952 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348

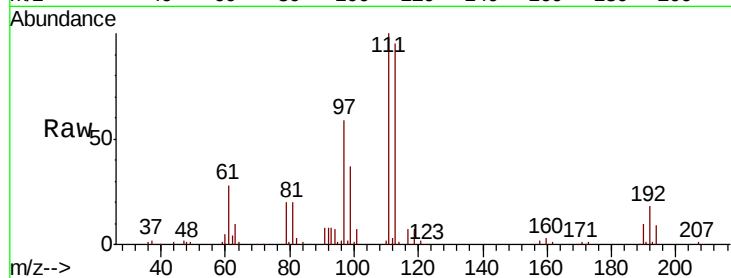
Tot Ion:113 Resp: 207025

Ion Ratio Lower Upper

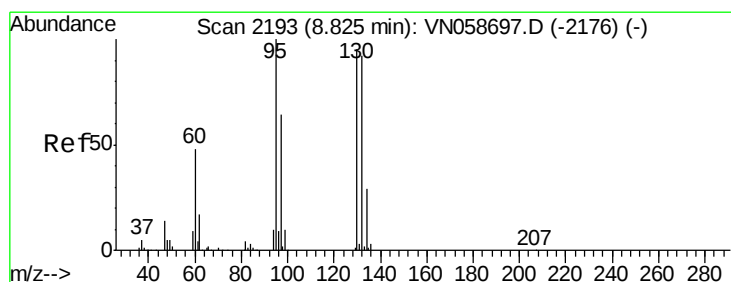
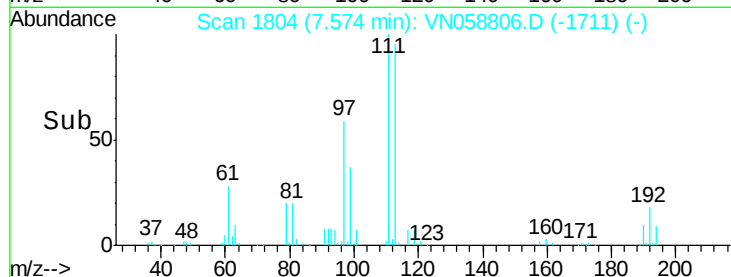
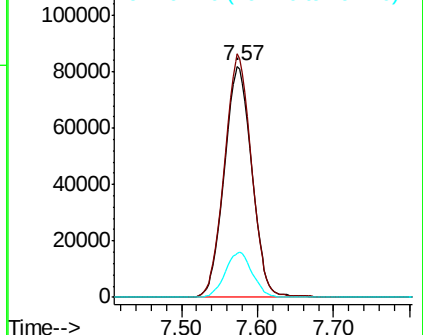
113 100

111 103.6 82.3 123.5

192 19.3 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



#44

Trichloroethene

Concen: 428.134 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058806.D

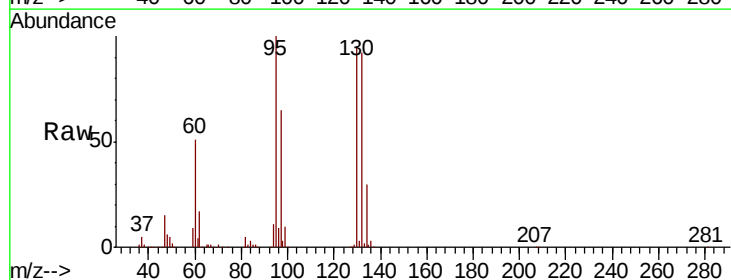
Acq: 16 Oct 2019 16:55

Tgt Ion:130 Resp: 1883012

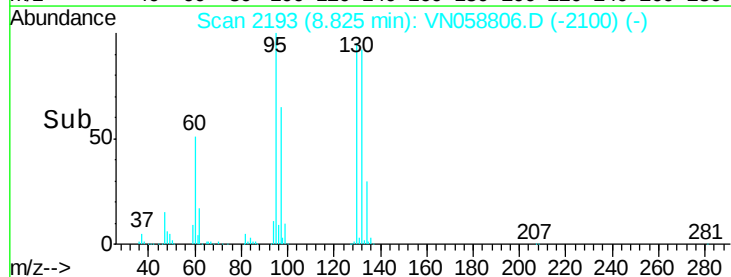
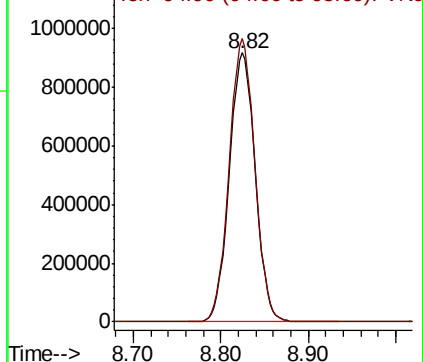
Ion Ratio Lower Upper

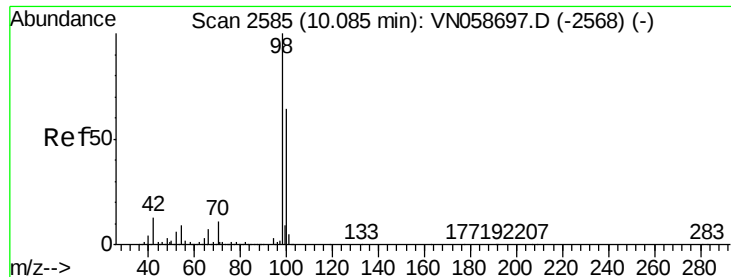
130 100

95 105.1 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.124 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

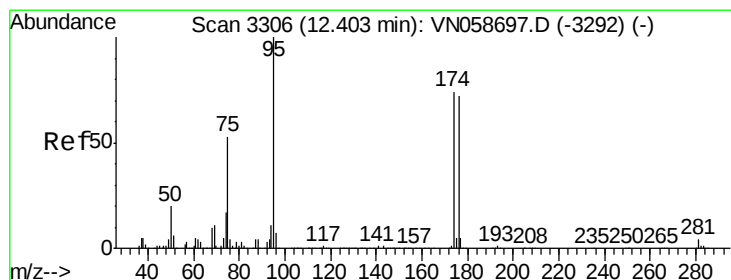
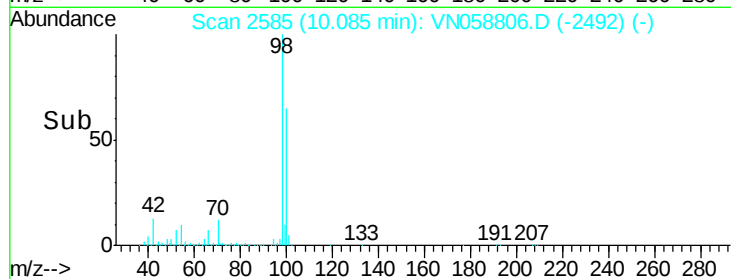
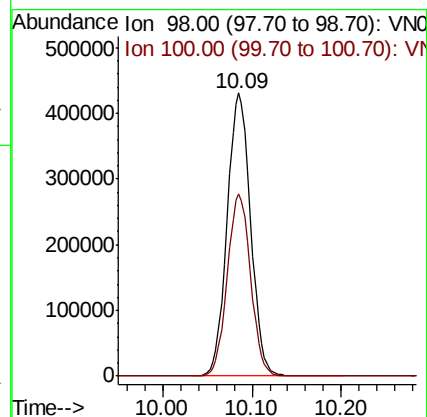
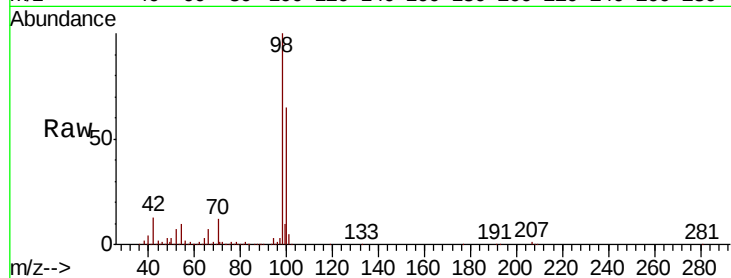
FA19-JBW7348

Tot Ion: 98 Resp: 785254

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.157 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

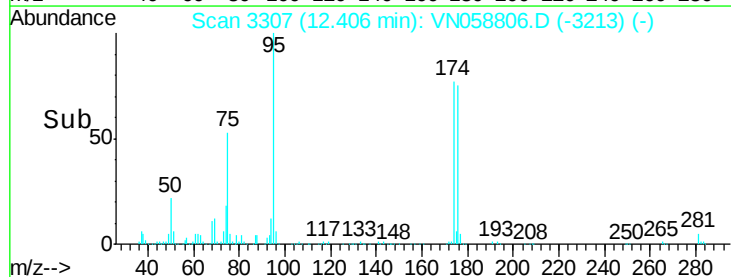
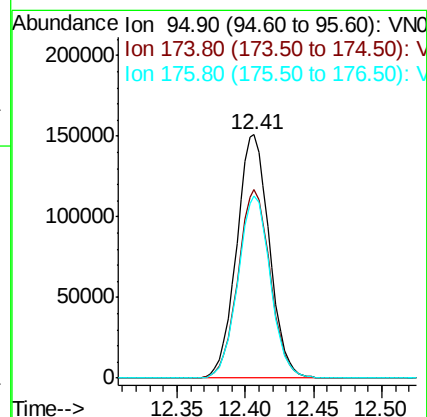
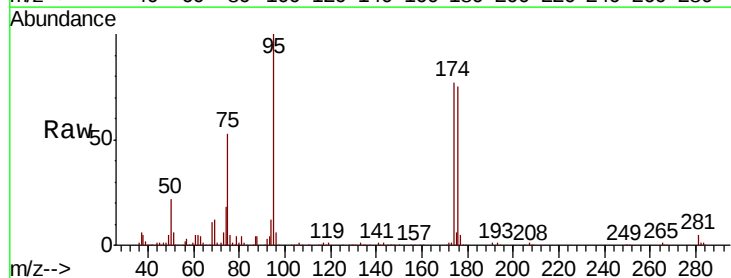
Tgt Ion: 95 Resp: 251807

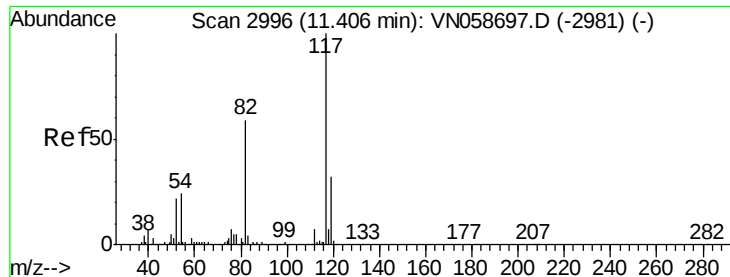
Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.4

176 74.2 0.0 146.8

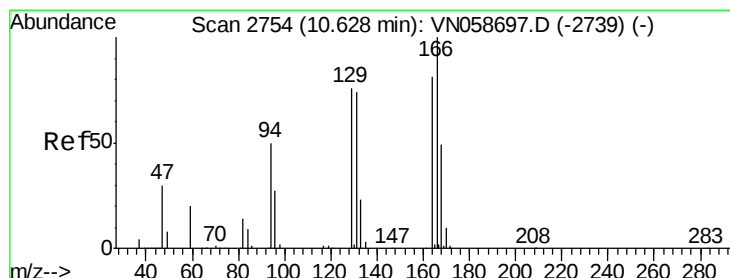
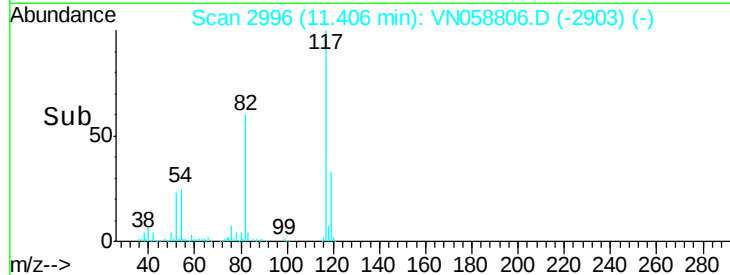
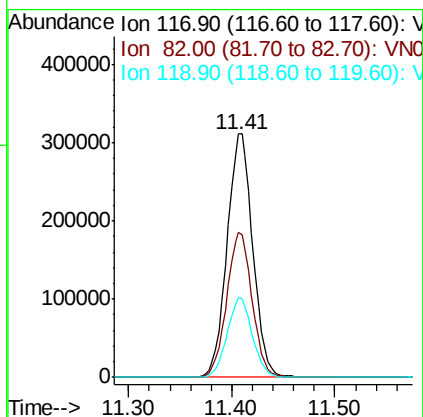
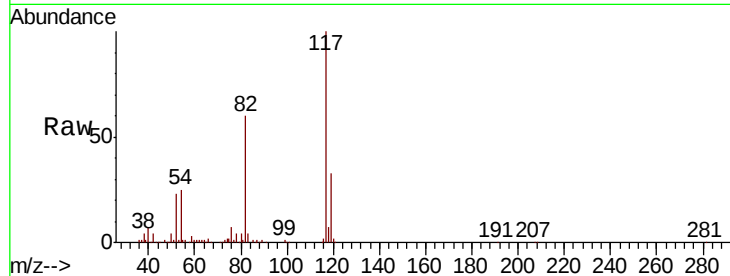




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058806.D
Acq: 16 Oct 2019 16:55

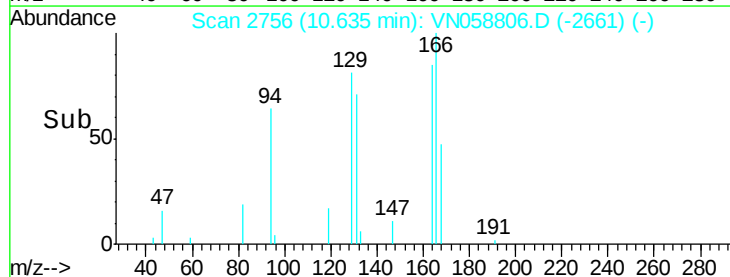
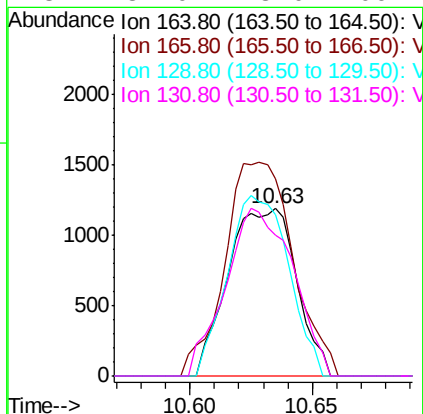
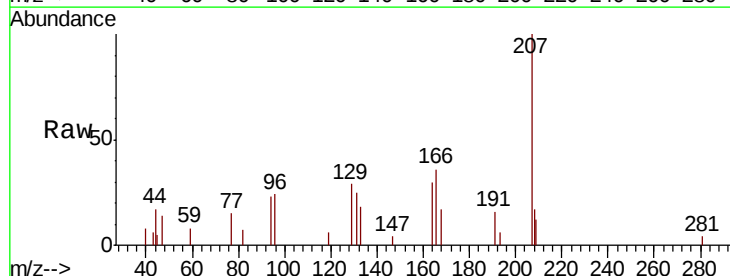
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7348

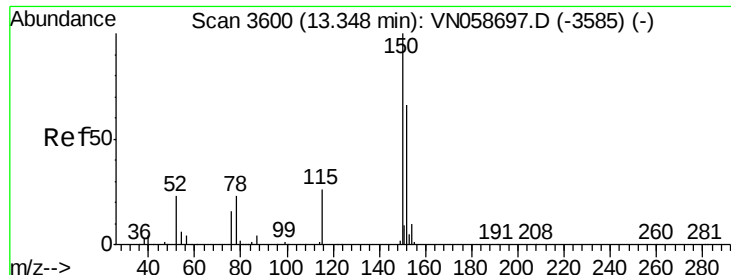
Tot Ion:117 Resp: 538956
Ion Ratio Lower Upper
117 100
82 59.6 47.0 70.4
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 0.611 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN058806.D
Acq: 16 Oct 2019 16:55

Tgt Ion:164 Resp: 2303
Ion Ratio Lower Upper
164 100
166 117.8 99.3 148.9
129 96.0 75.2 112.8
131 84.0 73.0 109.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058806.D

Acq: 16 Oct 2019 16:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7348

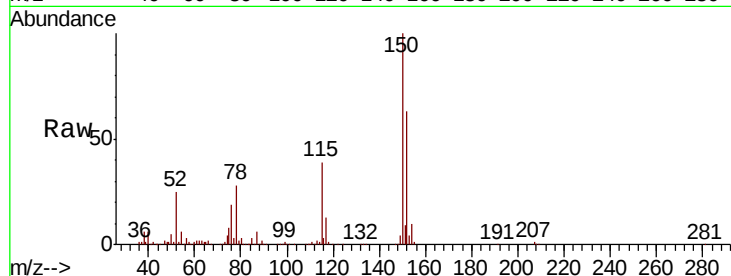
Tot Ion:152 Resp: 207943

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

150 158.9 0.0 345.4



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

