

Data File : VN058864.D
Acq On : 18 Oct 2019 17:33
Operator : JC/SP
Sample : K5452-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FA19-JPZ7807

Quant Time: Oct 21 08:01:00 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	381203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	606768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	205229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	292374	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.57	113	211274	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.08	98	780474	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	251630	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

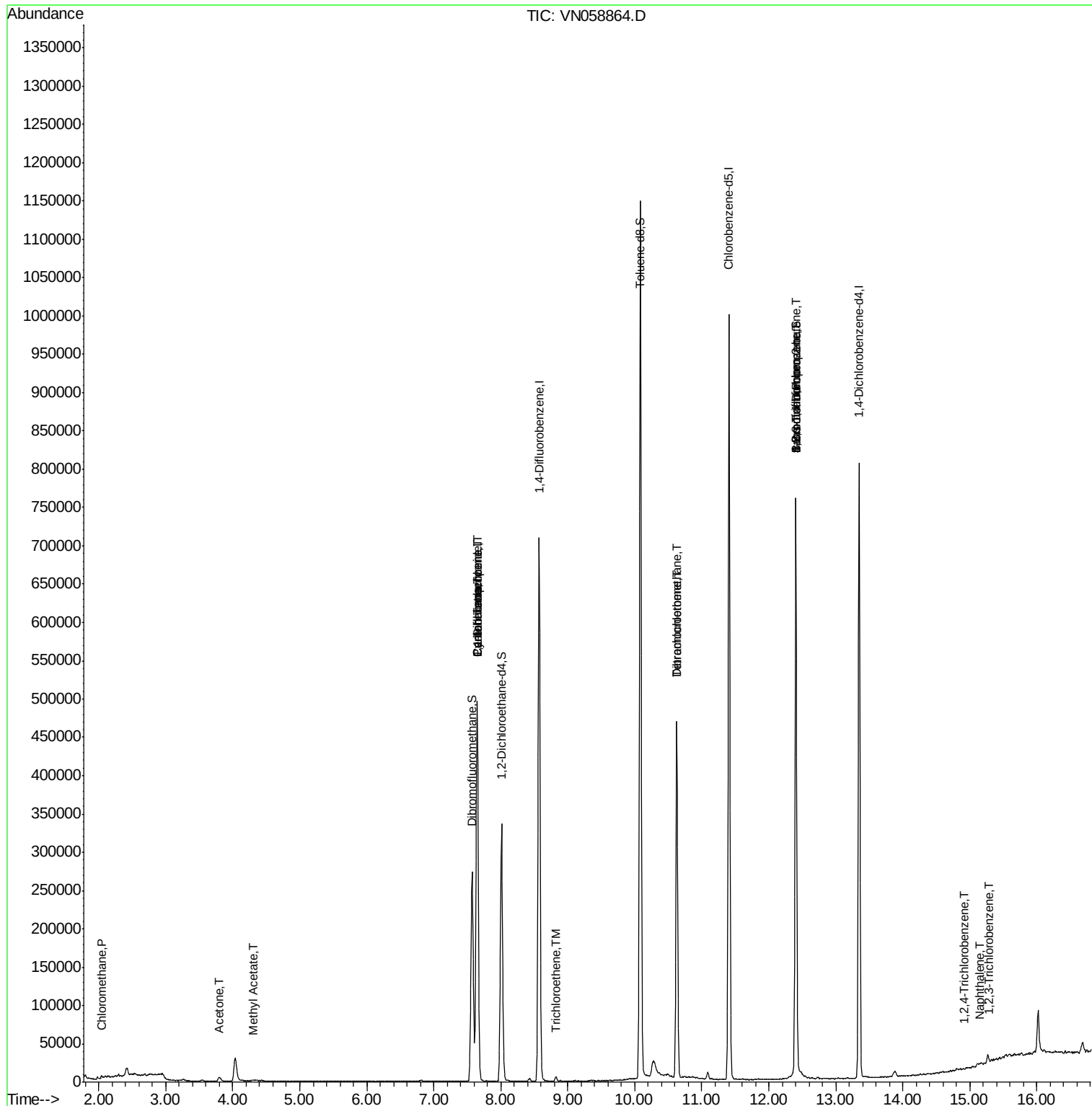
						Qvalue
3) Chloromethane	2.04	50	2837	0.482	ug/l	98
16) Acetone	3.80	43	9189	3.326	ug/l	99
18) Methyl Acetate	4.31	43	1470	0.234	ug/l #	55
31) Cyclohexane	7.65	56	9363	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	32616	5.250	ug/l #	51
38) Carbon Tetrachloride	7.65	117	38663	6.041	ug/l #	17
44) Trichloroethene	8.82	130	2199	0.495	ug/l	91
60) Dibromochloromethane	10.63	129	97506	20.328	ug/l #	10
64) Tetrachloroethene	10.63	164	102753	26.801	ug/l	99
71) Bromoform	12.40	173	1469	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	137926	28.998	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	137926	75.542	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	126	2.550	ug/l #	13
95) Naphthalene	15.14	128	444	2.261	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	204	2.443	ug/l #	12

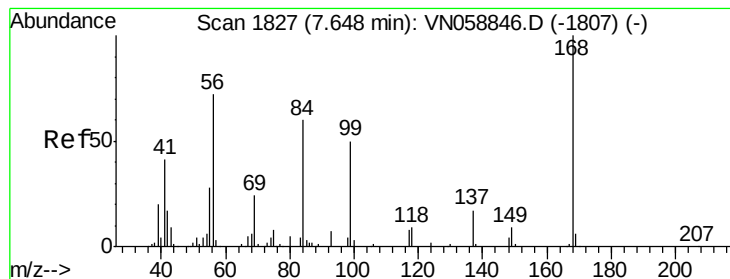
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058864.D

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Instrument :

MSVOA_N

ClientSampleId :

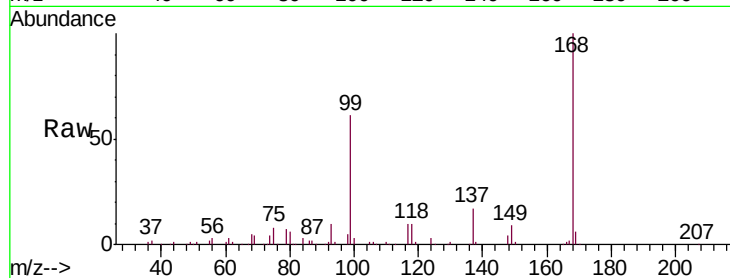
FA19-JPZ7807

Tgt Ion:168 Resp: 381203

Ion Ratio Lower Upper

168 100

99 61.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

100000

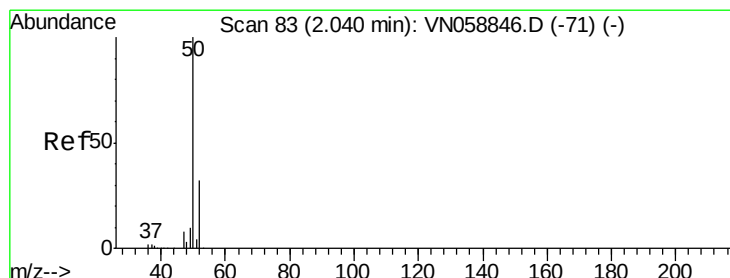
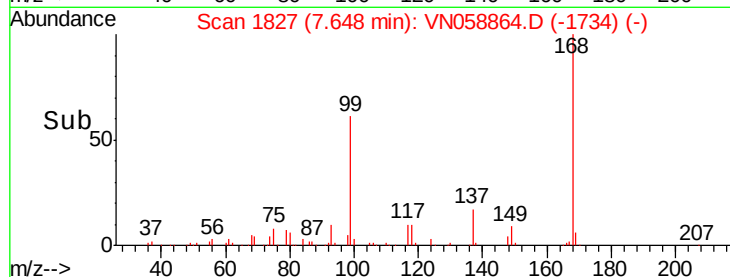
50000

0

Time-->

7.60

7.70



#3

Chloromethane

Concen: 0.482 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058864.D

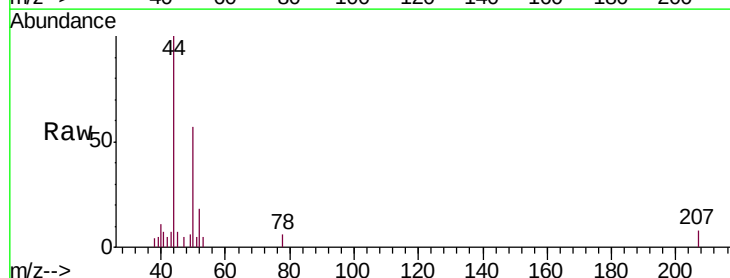
Acq: 18 Oct 2019 17:33

Tgt Ion: 50 Resp: 2837

Ion Ratio Lower Upper

50 100

52 31.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

2000

1500

1000

500

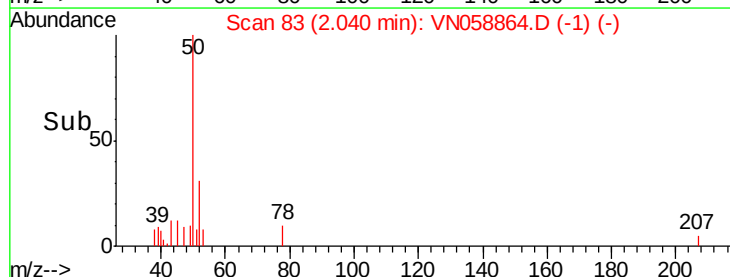
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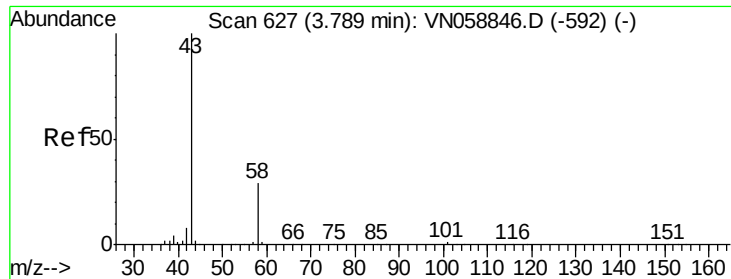
Time-->

2.00

2.05

2.10





#16

Acetone

Concen: 3.326 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

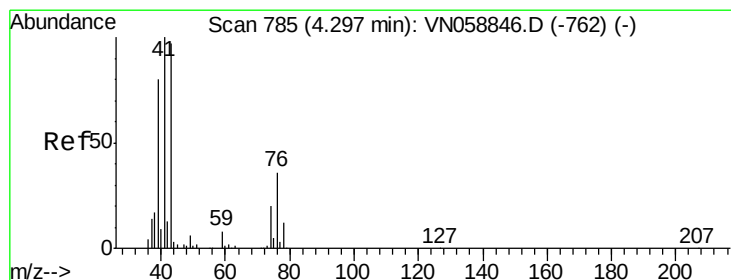
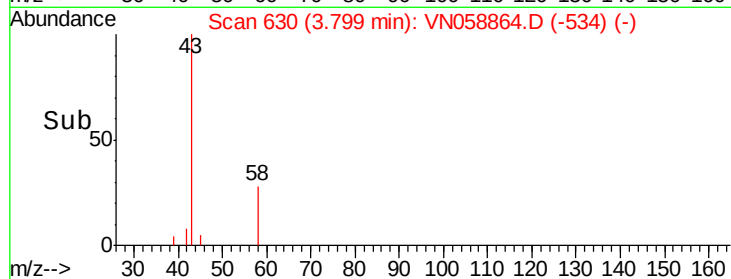
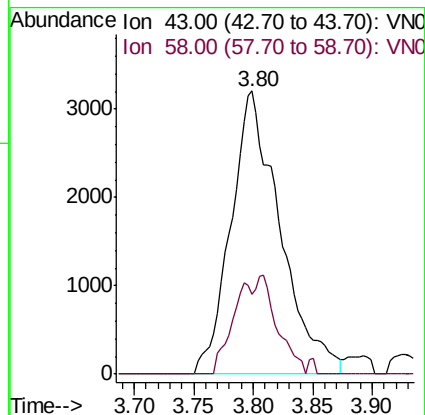
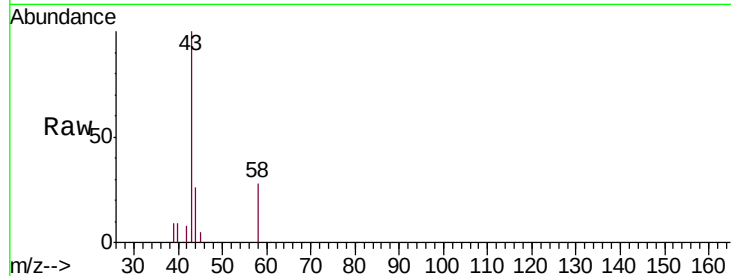
FA19-JPZ7807

Tgt Ion: 43 Resp: 9189

Ion Ratio Lower Upper

43 100

58 28.4 23.1 34.7



#18

Methyl Acetate

Concen: 0.234 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058864.D

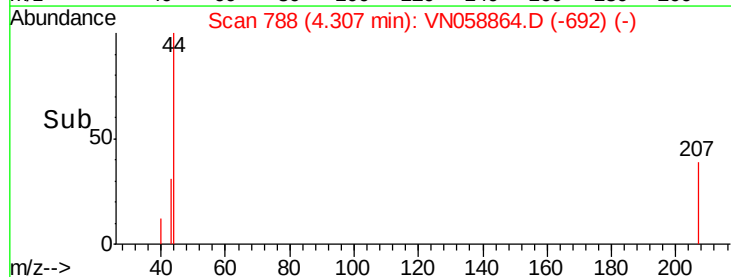
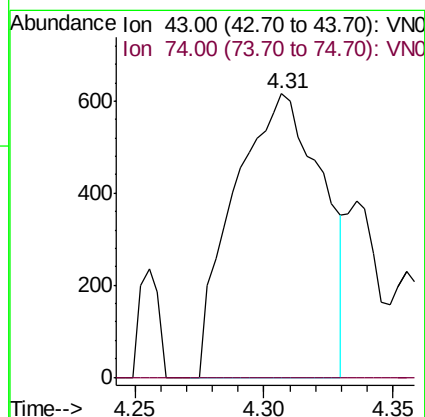
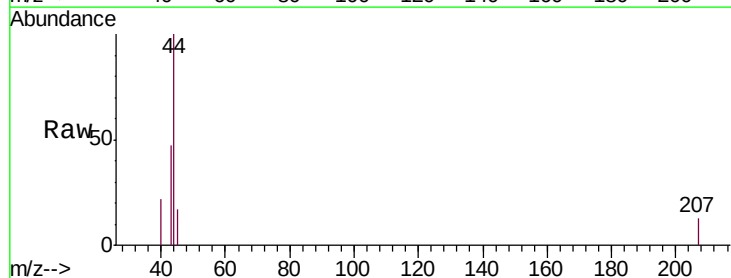
Acq: 18 Oct 2019 17:33

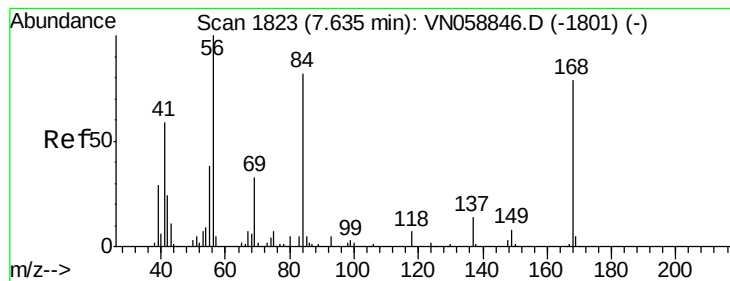
Tgt Ion: 43 Resp: 1470

Ion Ratio Lower Upper

43 100

74 0.0 17.1 25.7#





#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JPZ7807

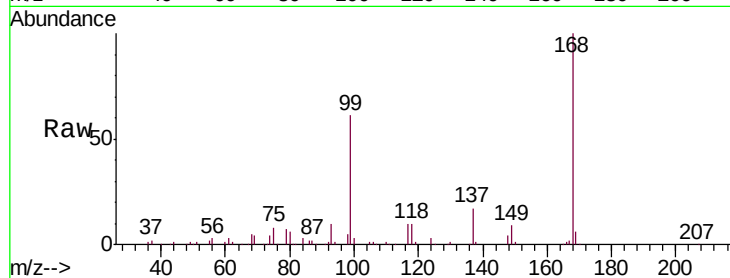
Tgt Ion: 56 Resp: 9363

Ion Ratio Lower Upper

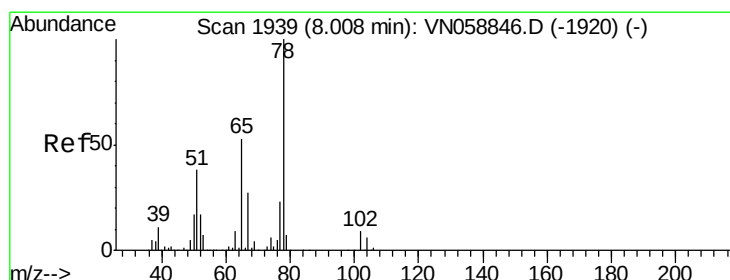
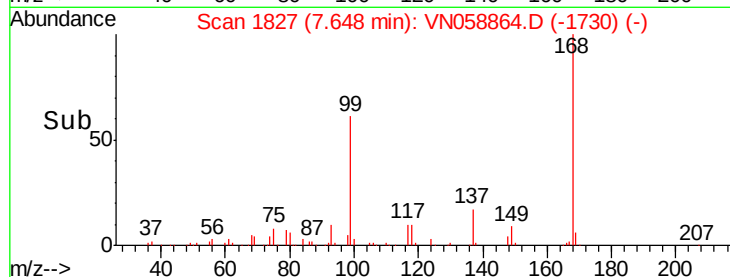
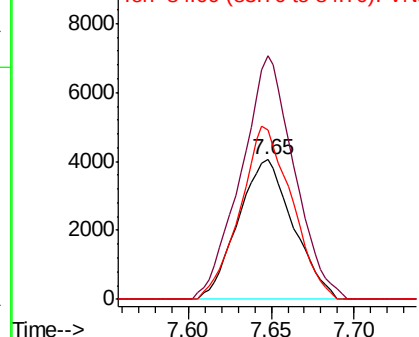
56 100

69 174.6 26.2 39.4#

84 121.3 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: 52.294 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058864.D

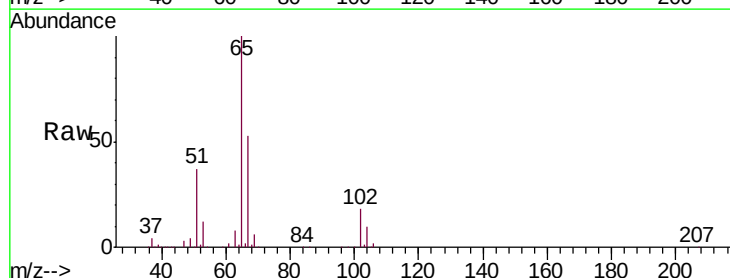
Acq: 18 Oct 2019 17:33

Tgt Ion: 65 Resp: 292374

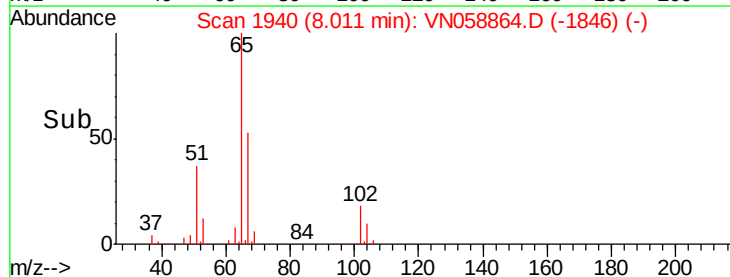
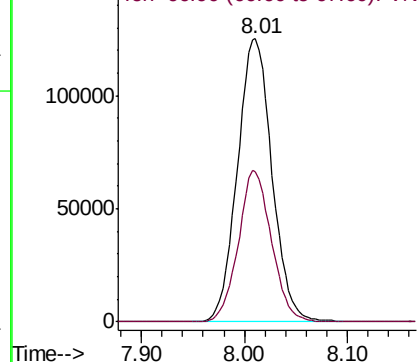
Ion Ratio Lower Upper

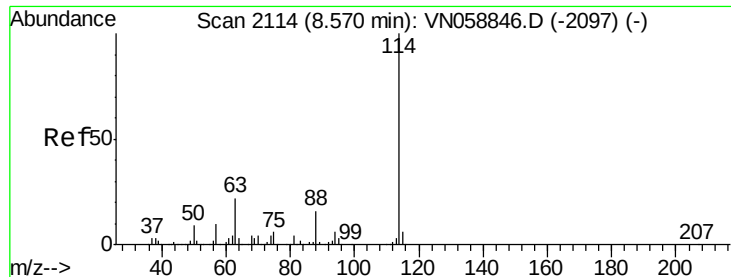
65 100

67 51.5 0.0 103.2



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

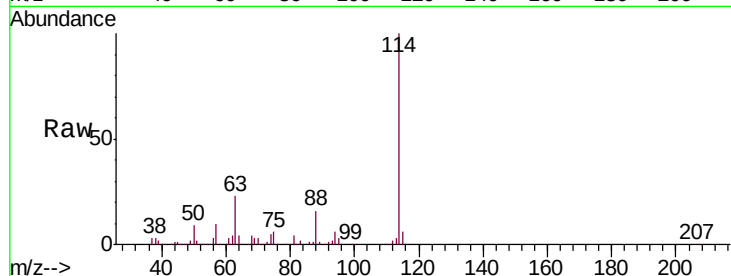




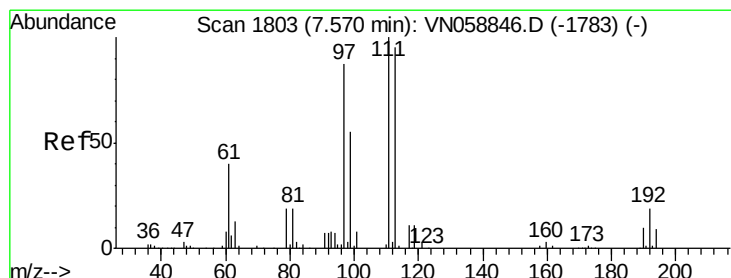
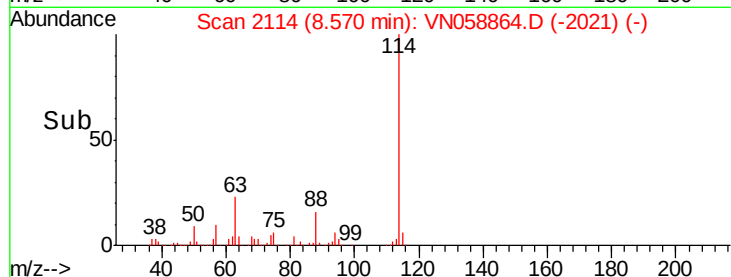
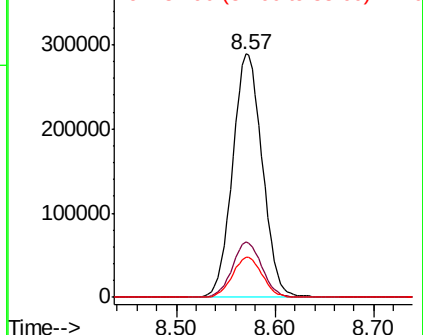
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JPZ7807

Tgt Ion:	114	Resp:	606768
Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.4
88	16.5	0.0	31.4

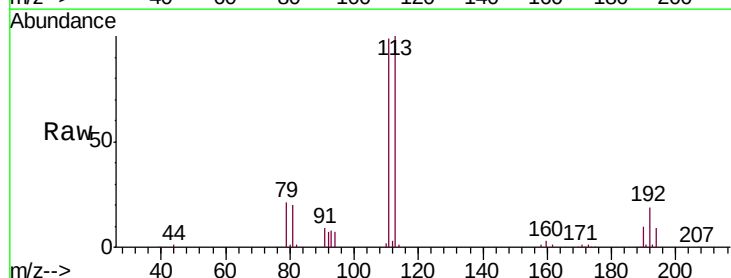


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

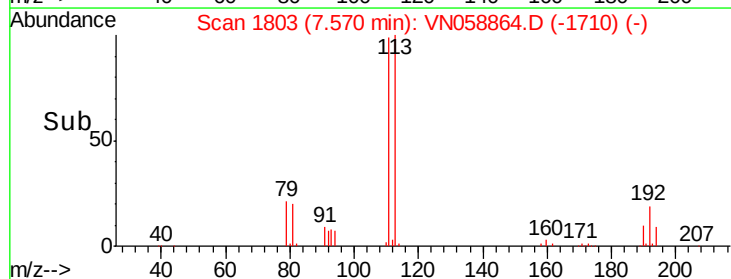
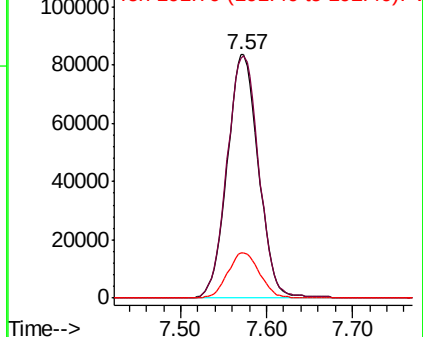


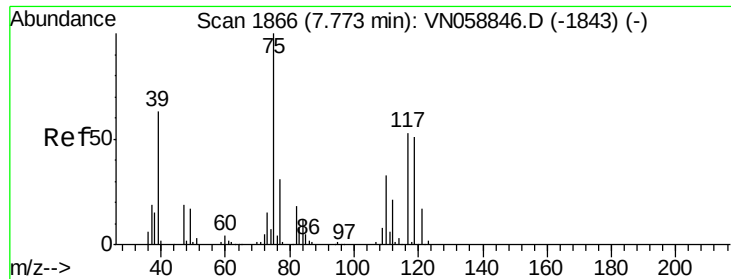
#35
 Dibromofluoromethane
 Concen: 52.960 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Tgt Ion:	113	Resp:	211274
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.0	123.0
192	19.0	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

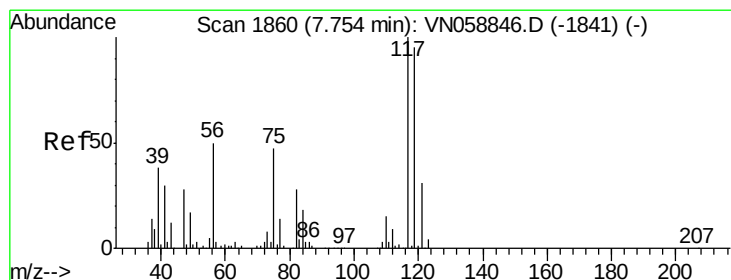
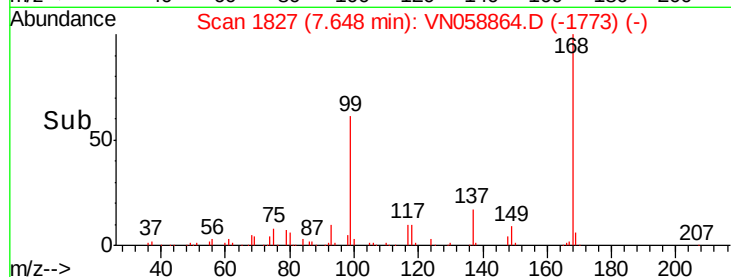
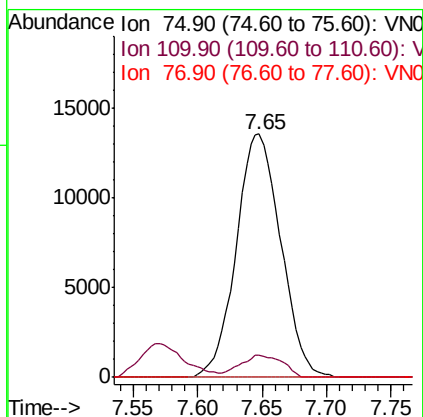
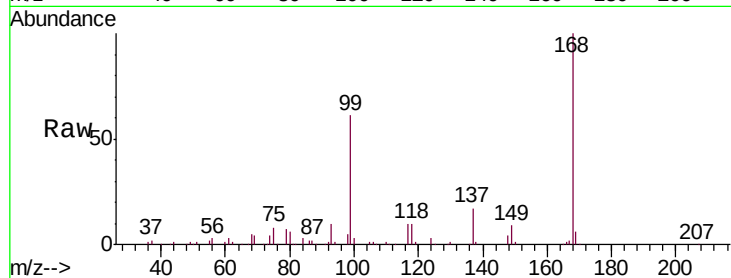




#36
 1,1-Dichloropropene
 Concen: 5.250 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

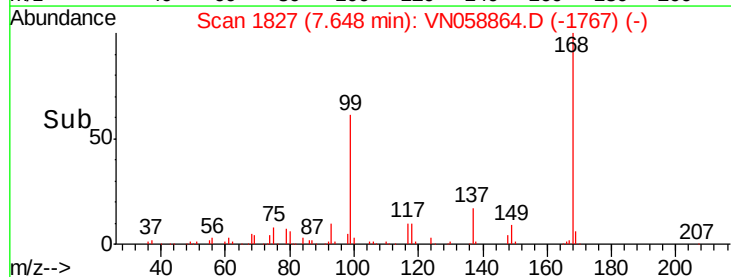
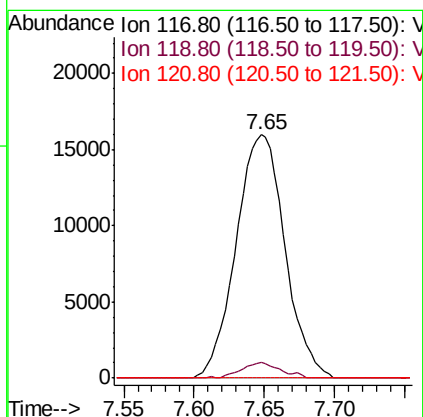
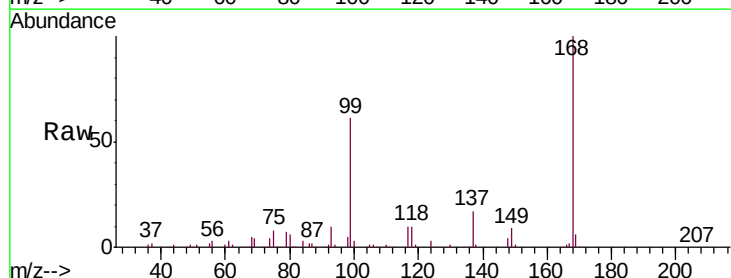
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JPZ7807

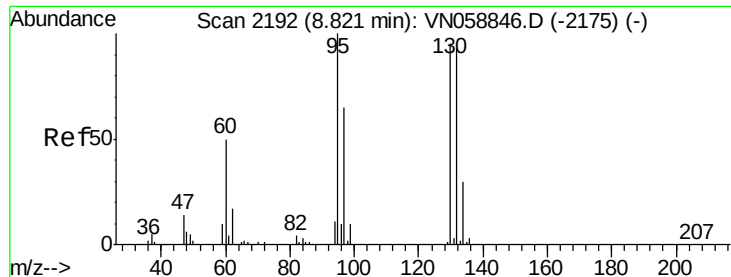
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.041 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.7	113.5#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 0.495 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

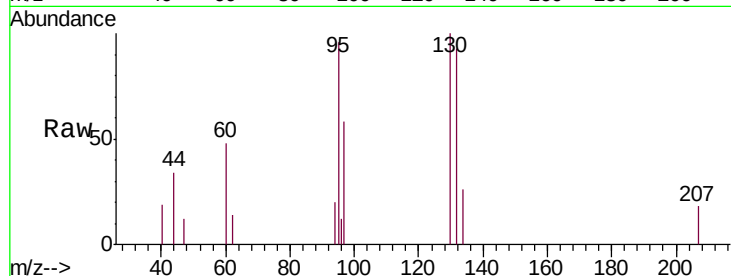
FA19-JPZ7807

Tgt Ion:130 Resp: 2199

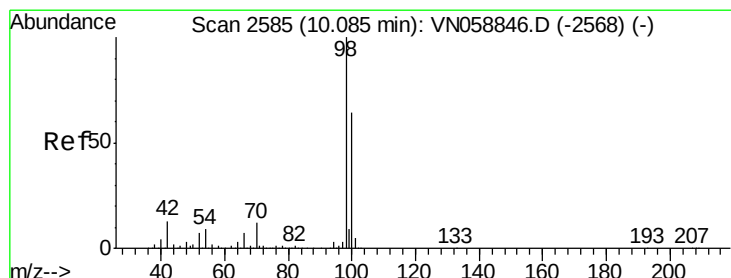
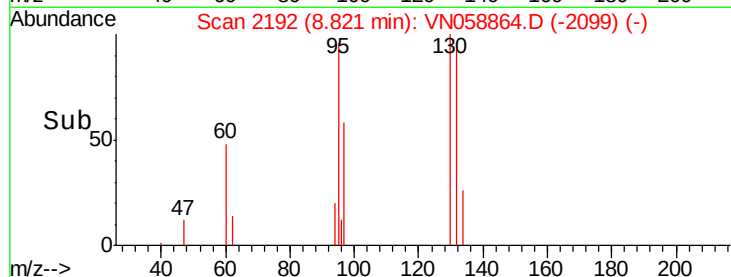
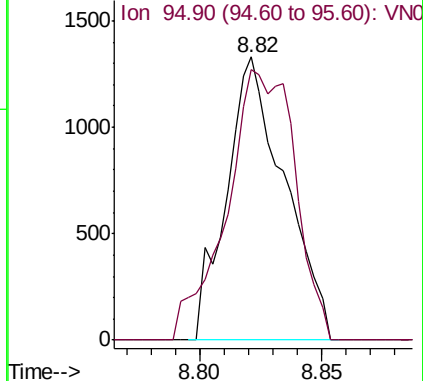
Ion Ratio Lower Upper

130 100

95 95.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)



#50

Toluene-d8

Concen: 50.398 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058864.D

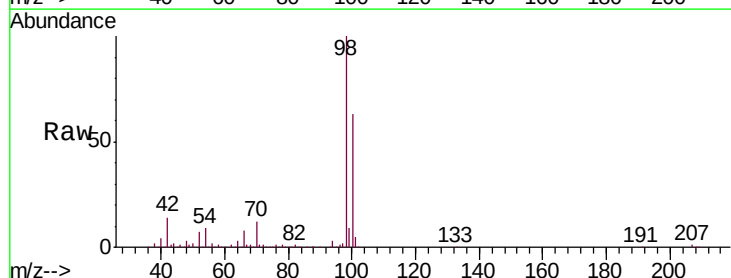
Acq: 18 Oct 2019 17:33

Tgt Ion: 98 Resp: 780474

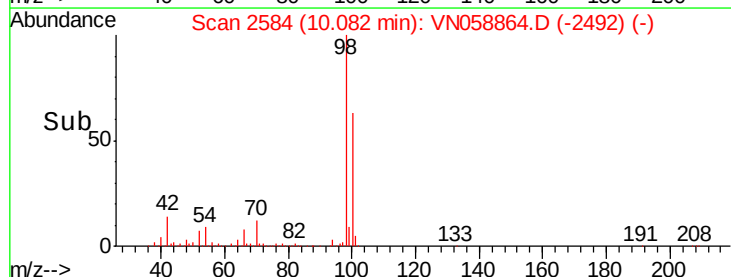
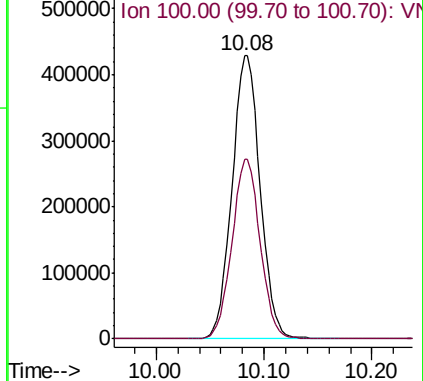
Ion Ratio Lower Upper

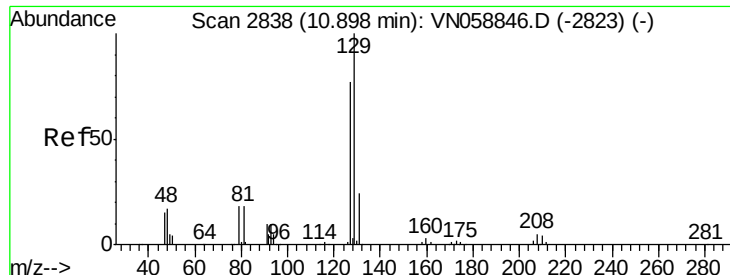
98 100

100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)

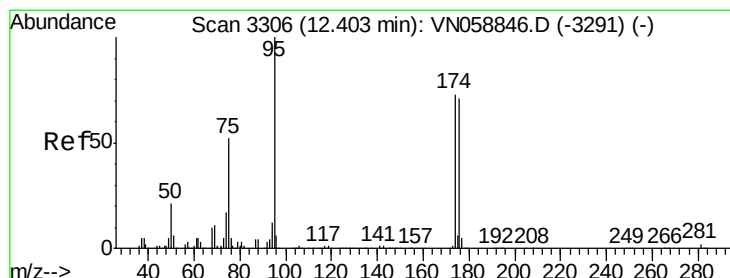
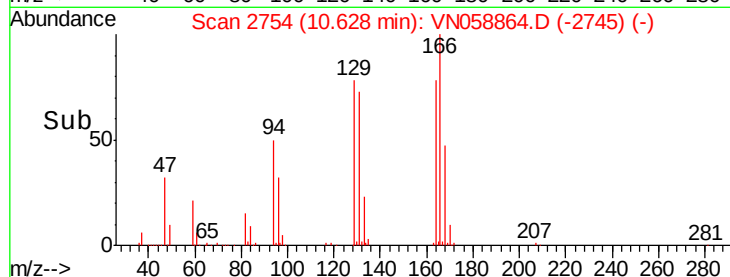
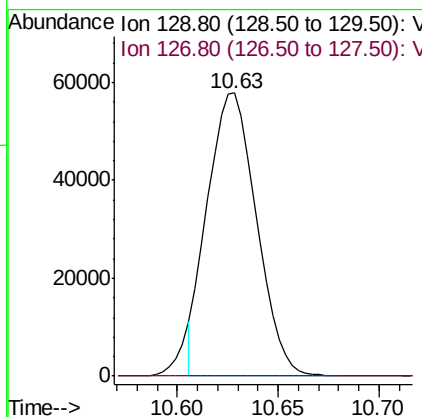
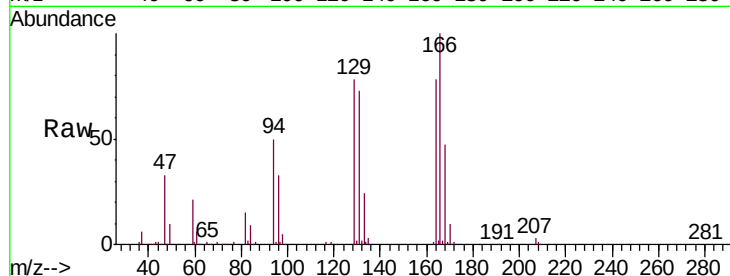




#60
 Dibromochloromethane
 Concen: 20.328 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.27 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

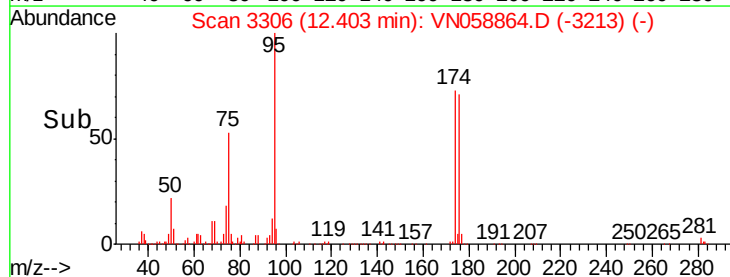
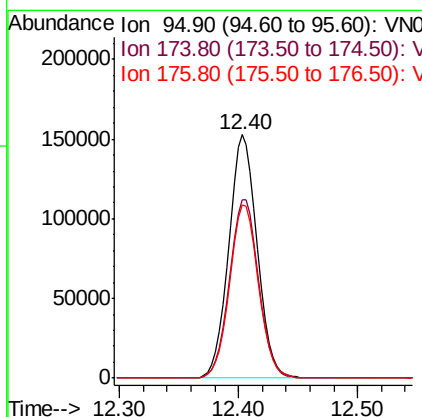
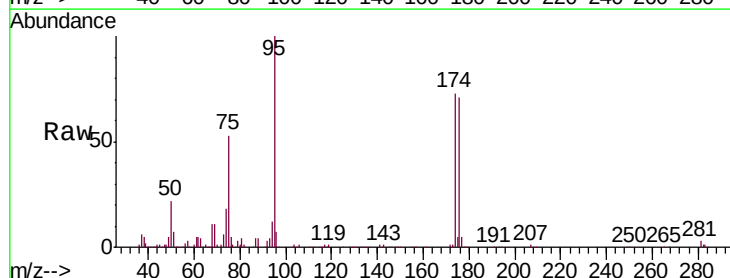
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JPZ7807

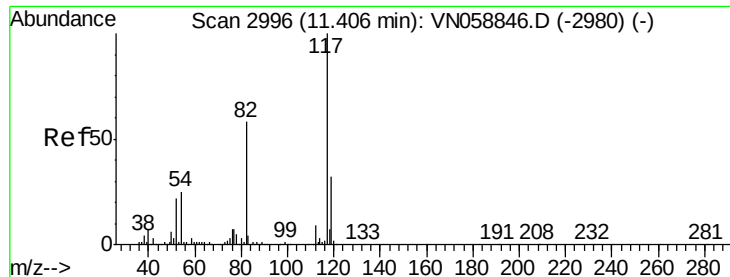
Tgt Ion: 129 Resp: 97506
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.3#



#62
 4-Bromofluorobenzene
 Concen: 44.247 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Tgt Ion: 95 Resp: 251630
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 147.6
 176 72.7 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JPZ7807

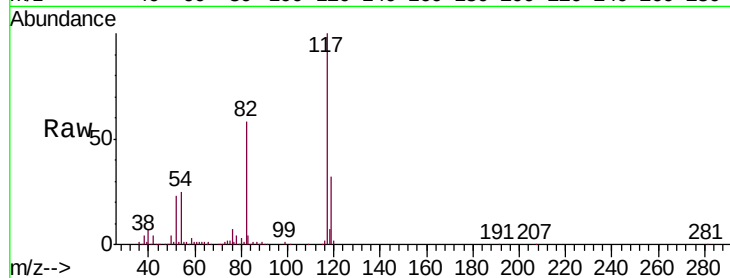
Tgt Ion:117 Resp: 547451

Ion Ratio Lower Upper

117 100

82 58.2 46.6 69.8

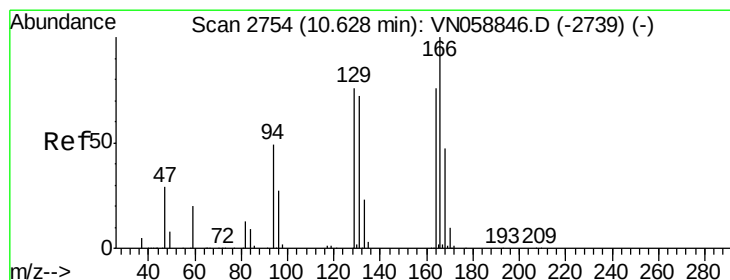
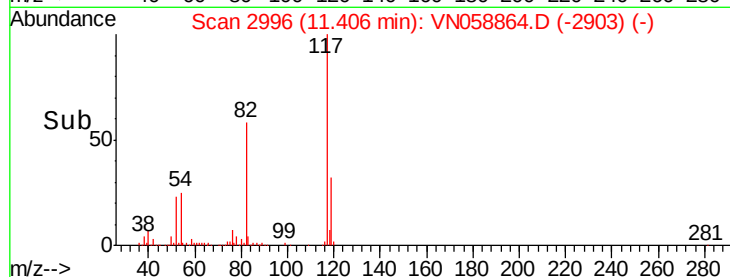
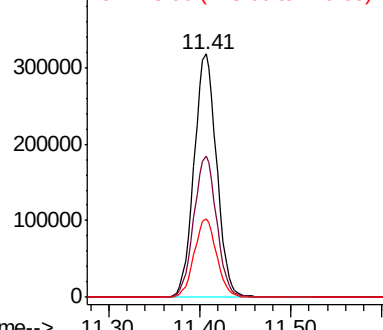
119 32.3 25.6 38.4



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: 26.801 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Tgt Ion:164 Resp: 102753

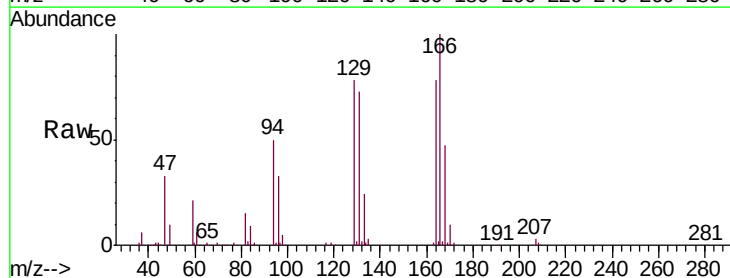
Ion Ratio Lower Upper

164 100

166 128.6 104.8 157.2

129 100.5 79.3 118.9

131 94.4 75.8 113.6

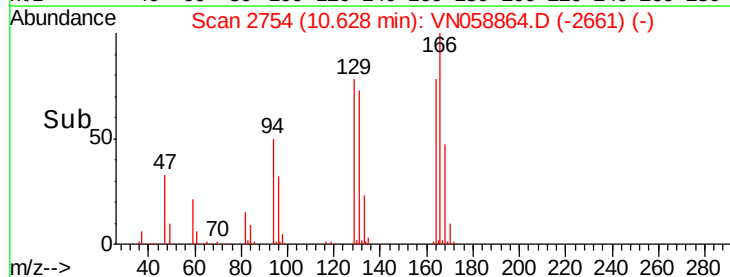
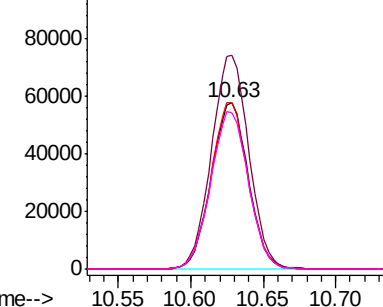


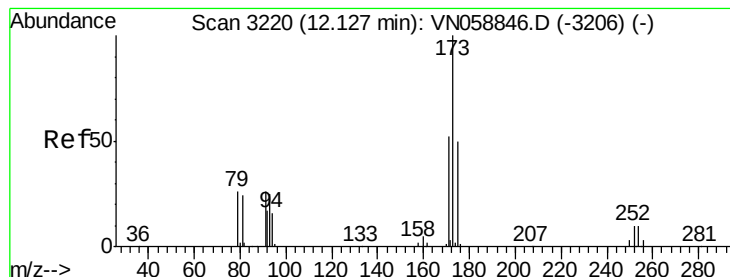
Abundance Ion 163.80 (163.50 to 164.50): V

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





#71

Bromoform

Concen: 0.450 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

FA19-JPZ7807

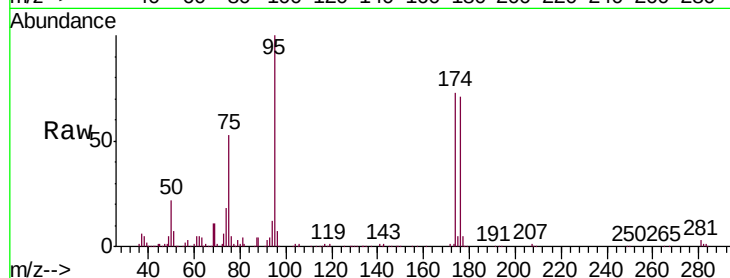
Tgt Ion:173 Resp: 1469

Ion Ratio Lower Upper

173 100

175 754.7 24.7 74.1#

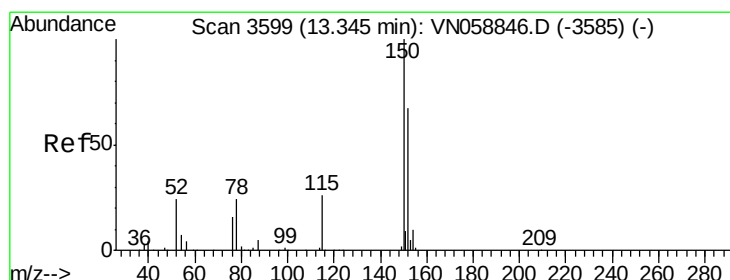
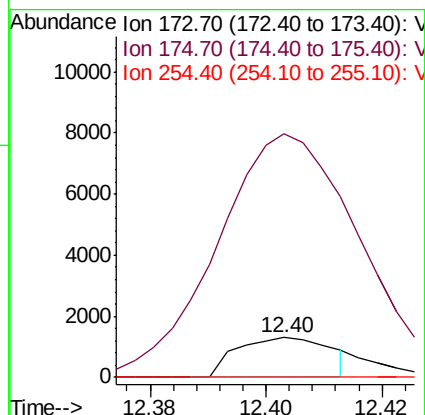
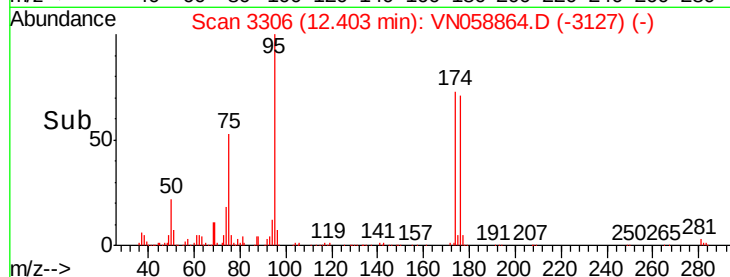
254 0.0 0.0 0.0



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: VN058864.D

Acq: 18 Oct 2019 17:33

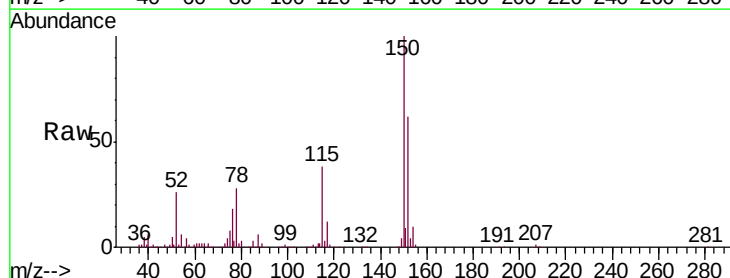
Tgt Ion:152 Resp: 205229

Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

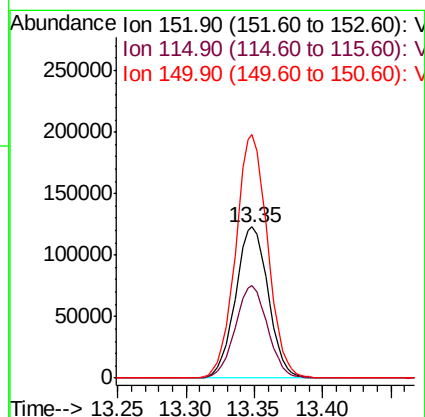
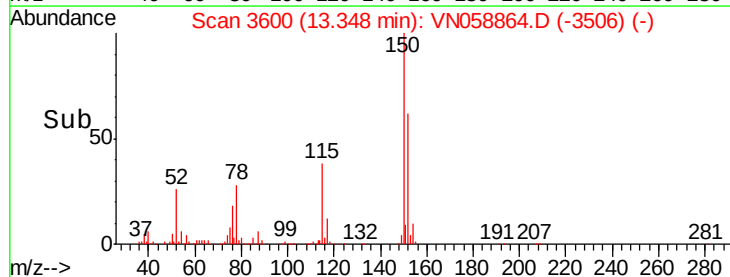
150 157.0 0.0 344.4

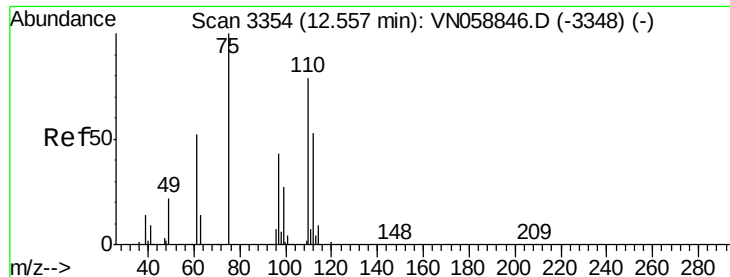


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.998 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

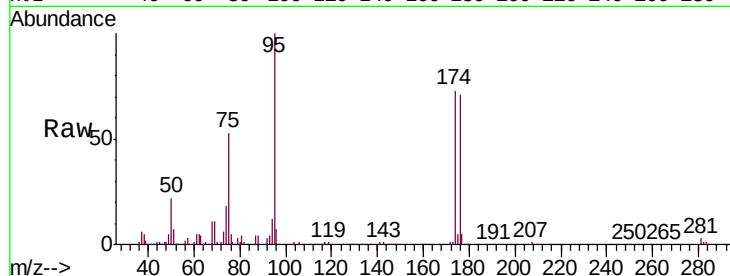
FA19-JPZ7807

Tgt Ion: 75 Resp: 137926

Ion Ratio Lower Upper

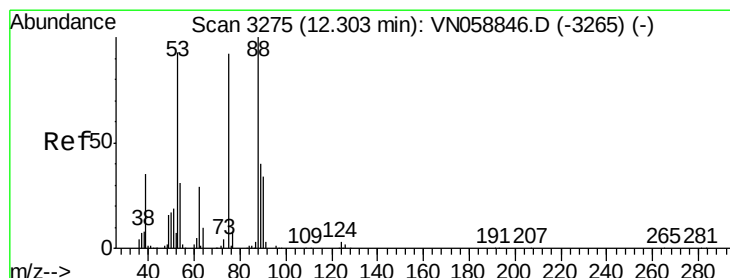
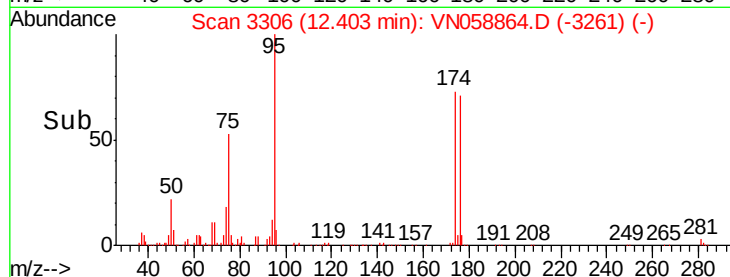
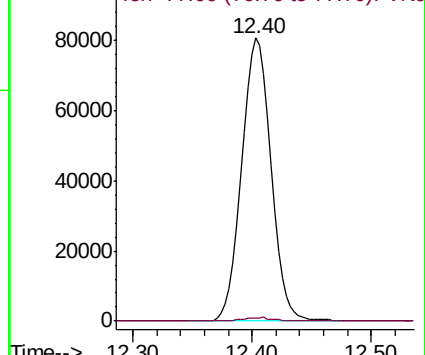
75 100

77 1.3 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: 75.542 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058864.D

Acq: 18 Oct 2019 17:33

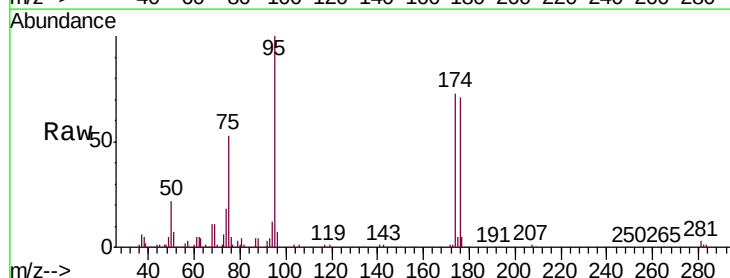
Tgt Ion: 75 Resp: 137926

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

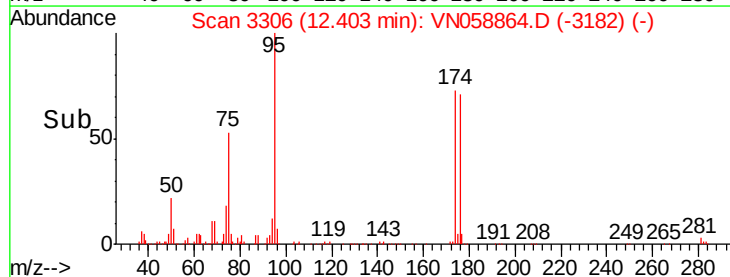
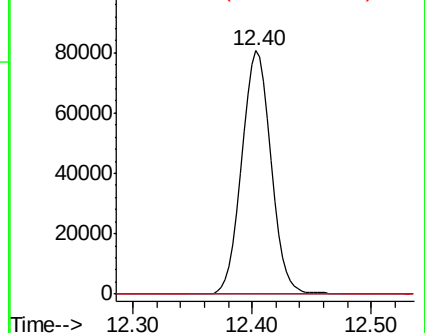
89 0.0 35.4 53.0#

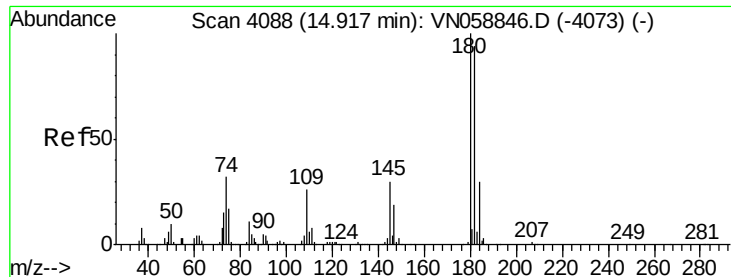


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

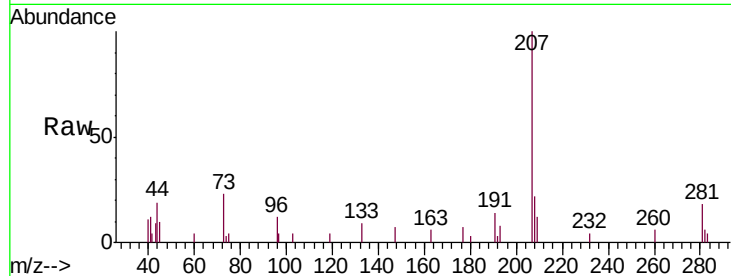




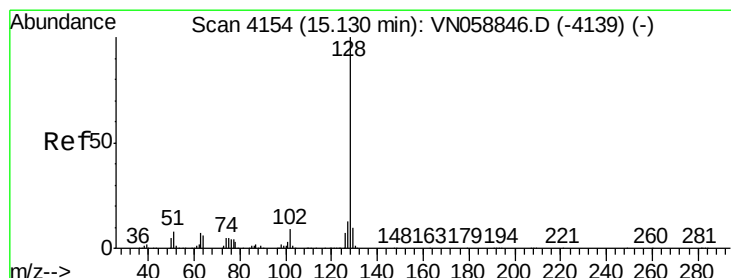
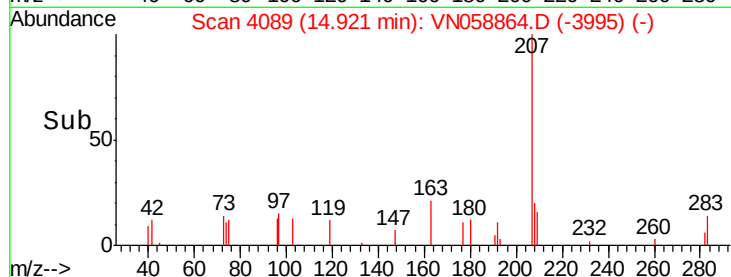
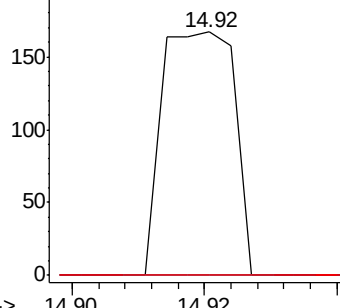
#93
 1,2,4-Trichlorobenzene
 Concen: 2.550 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JPZ7807

Tgt Ion:180 Resp: 126
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 15.3 45.8#

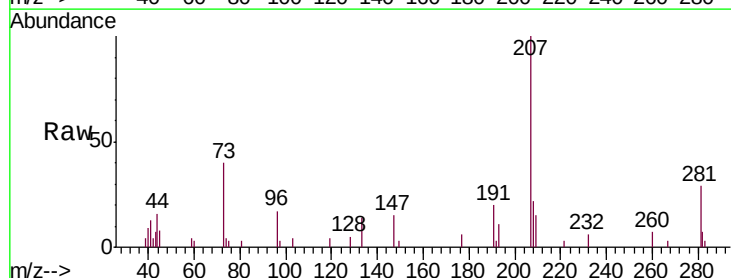


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

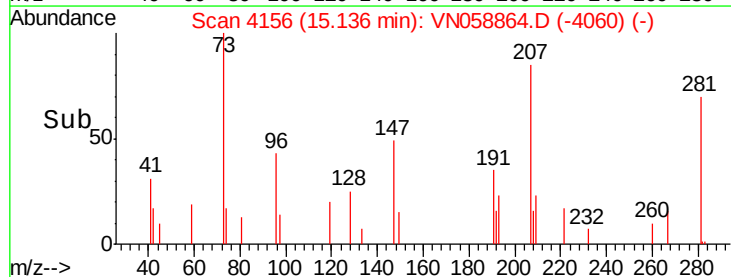
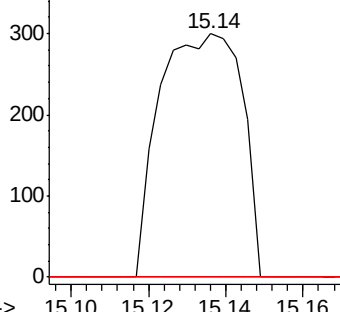


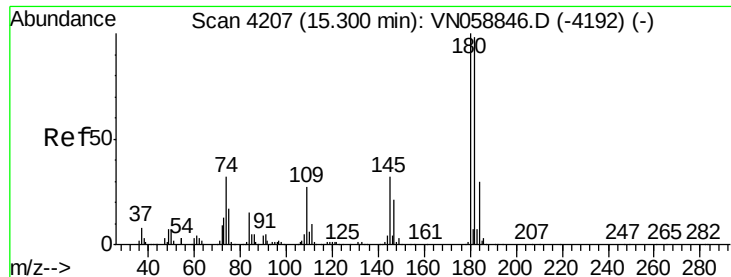
#95
 Naphthalene
 Concen: 2.261 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Tgt Ion:128 Resp: 444
 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





#96
 1,2,3-Trichlorobenzene
 Concen: 2.443 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. -0.01 min
 Lab File: VN058864.D
 Acq: 18 Oct 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JPZ7807

Tgt Ion:	180	Resp:	204
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.9	143.7#
145	0.0	15.9	47.7#

