

Data File : VN057054.D
Acq On : 2 Aug 2019 10:26
Operator : JC/SP
Sample : K4118-22
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ15711-20190731

Quant Time: Aug 03 04:20:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	565236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	814378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	675372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	315463	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.58	113	286661	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.08	98	1082735	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.40	95	282276	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	

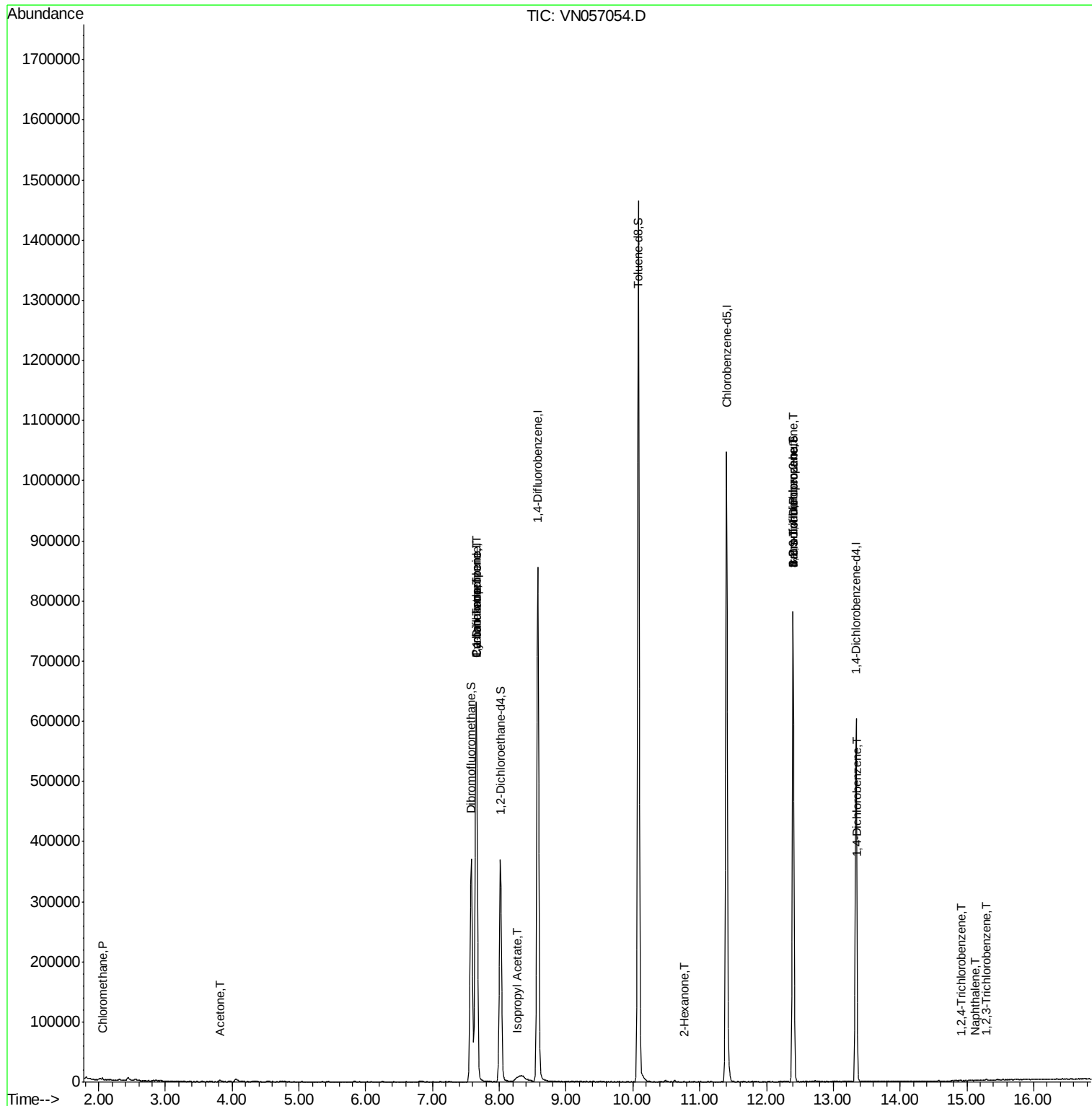
Target Compounds				Qvalue		
3) Chloromethane	2.06	50	3136	0.458	ug/l	93
16) Acetone	3.82	43	4069	1.941	ug/l #	88
31) Cyclohexane	7.66	56	8656	0.910	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35575	4.964	ug/l #	47
38) Carbon Tetrachloride	7.65	117	47648	7.029	ug/l #	17
43) Isopropyl Acetate	8.26	43	5507	0.581	ug/l #	52
59) 2-Hexanone	10.76	43	156	2.535	ug/l #	23
71) Bromoform	12.40	173	2213	0.612	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	32	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	128020	34.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128020	111.370	ug/l #	15
88) 1,4-Dichlorobenzene	13.36	146	1226	0.204	ug/l #	35
93) 1,2,4-Trichlorobenzene	14.91	180	606	2.892	ug/l #	76
95) Naphthalene	15.13	128	818	3.686	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	680	2.253	ug/l #	83

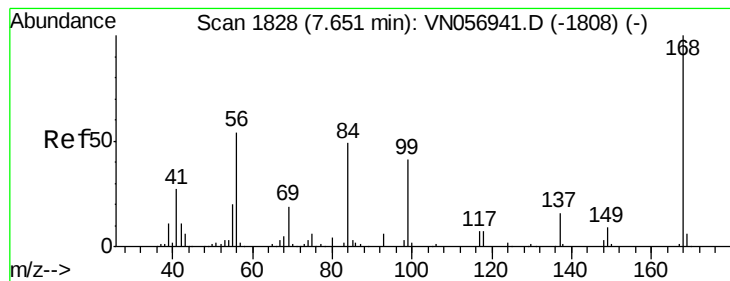
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

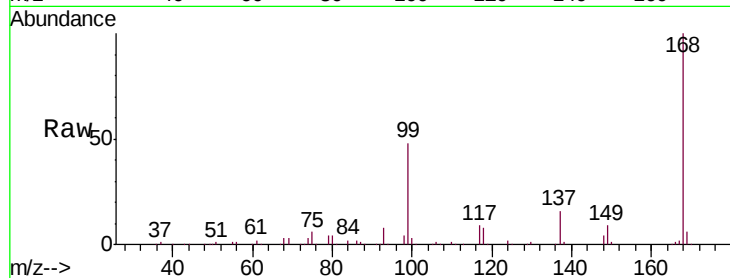
SA-PZ15711-20190731

Tgt Ion:168 Resp: 565236

Ion Ratio Lower Upper

168 100

99 47.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

250000

200000

150000

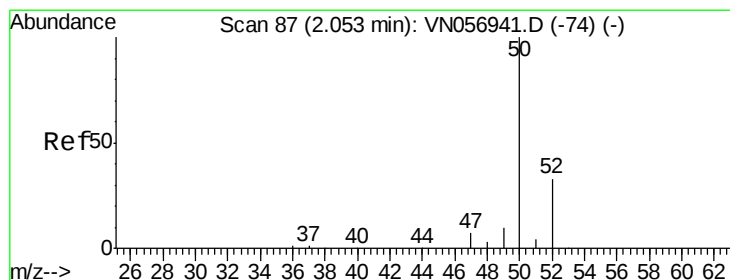
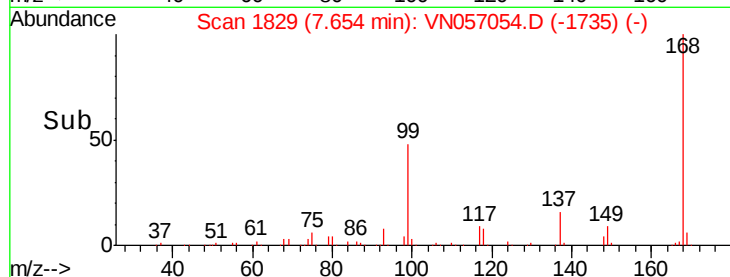
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.458 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057054.D

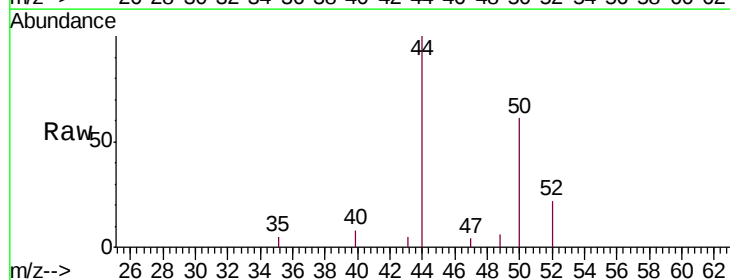
Acq: 2 Aug 2019 10:26

Tgt Ion: 50 Resp: 3136

Ion Ratio Lower Upper

50 100

52 36.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN056941.D (-74) (-)

Ion 51.90 (51.60 to 52.60): VN056941.D (-74) (-)

2.06

2500

2000

1500

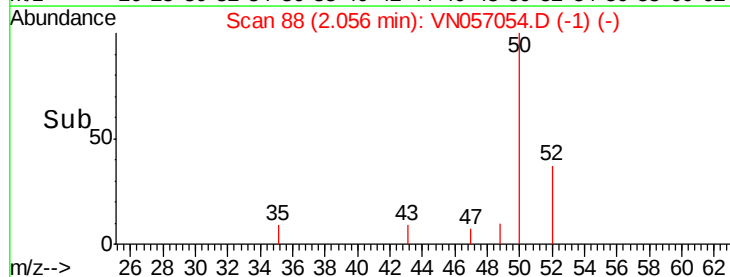
1000

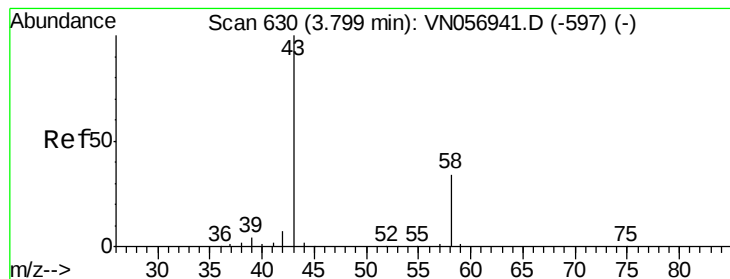
500

0

2.05 2.10

Time-->





#16

Acetone

Concen: 1.941 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.02 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

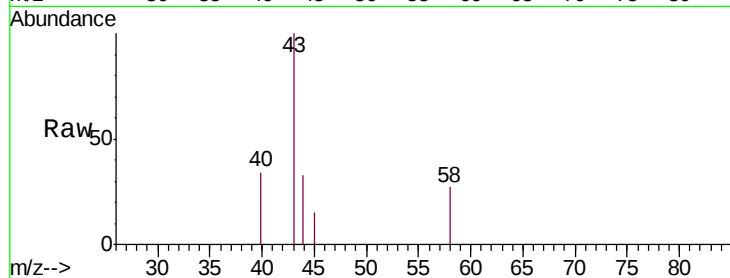
SA-PZ15711-20190731

Tgt Ion: 43 Resp: 4069

Ion Ratio Lower Upper

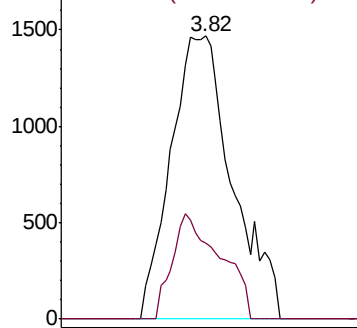
43 100

58 27.0 27.2 40.8#

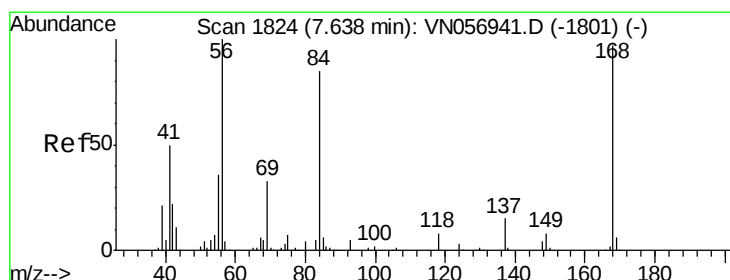
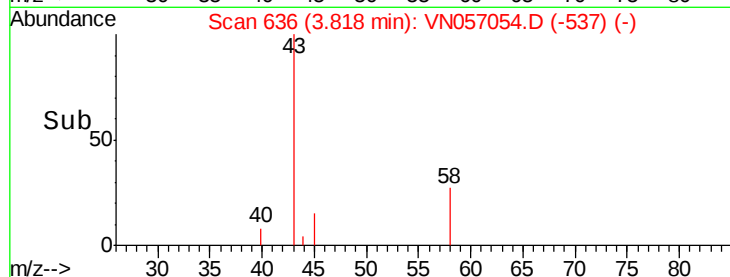


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#31

Cyclohexane

Concen: 0.910 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.02 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

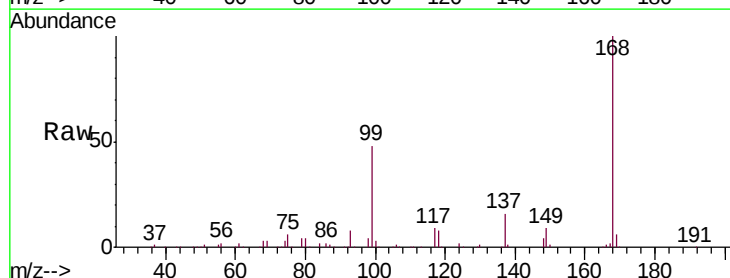
Tgt Ion: 56 Resp: 8656

Ion Ratio Lower Upper

56 100

69 185.7 26.2 39.2#

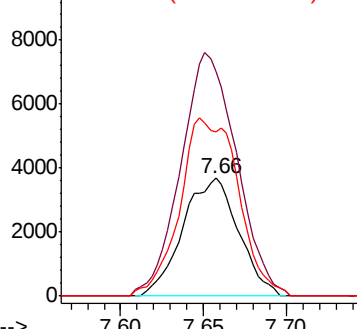
84 134.4 68.2 102.2#



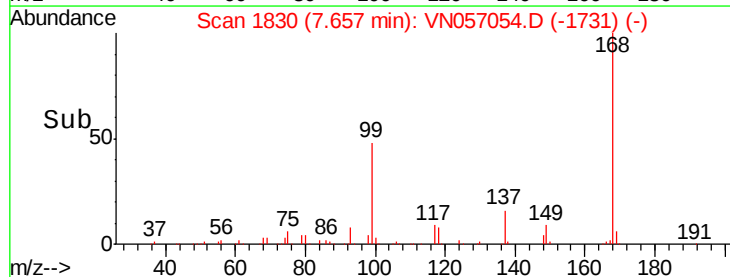
Abundance Ion 56.00 (55.70 to 56.70): VN0

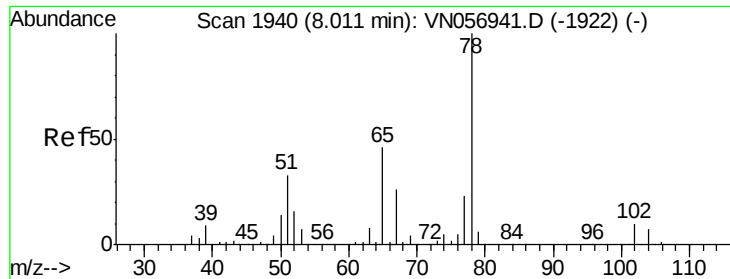
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

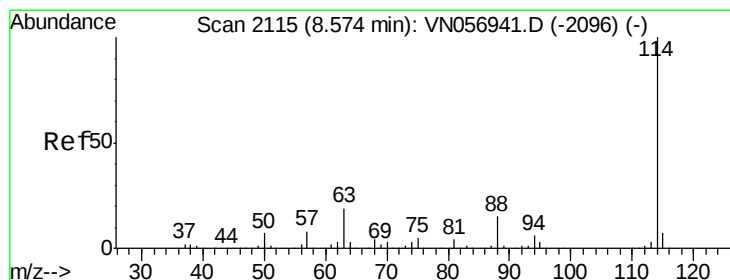
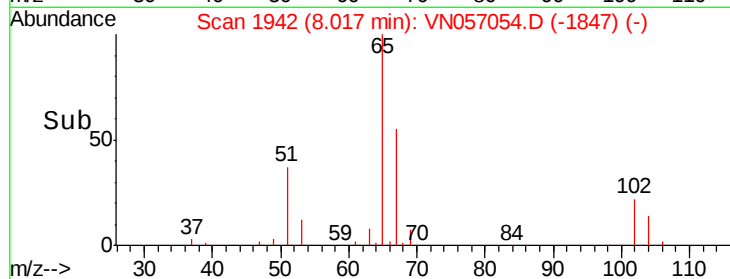
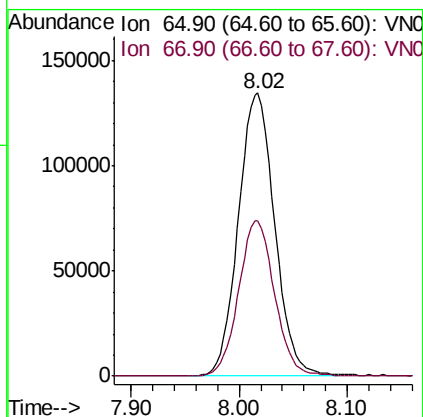
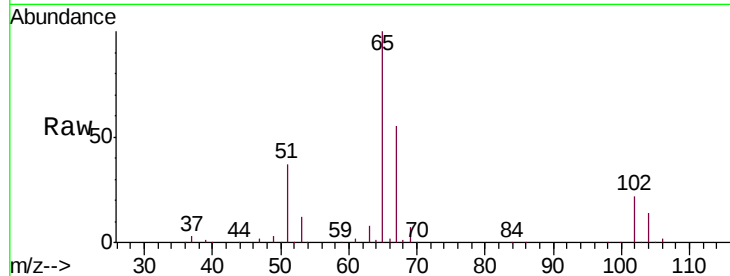




#33
 1,2-Dichloroethane-d4
 Concen: 54.522 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

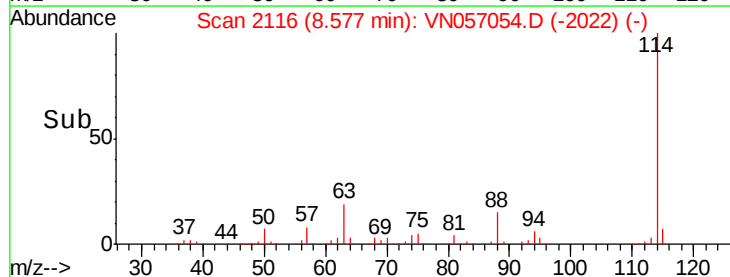
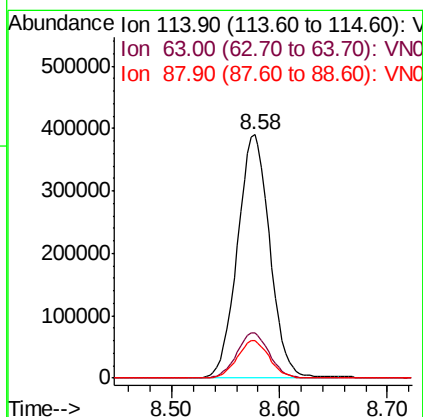
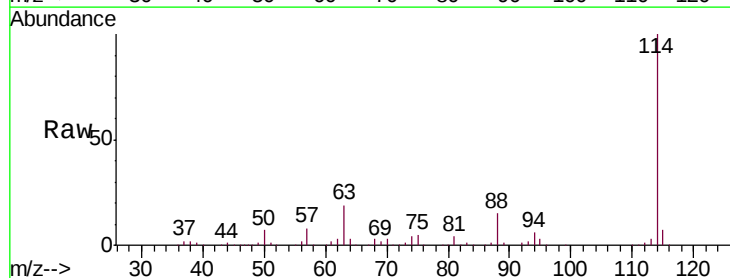
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ15711-20190731

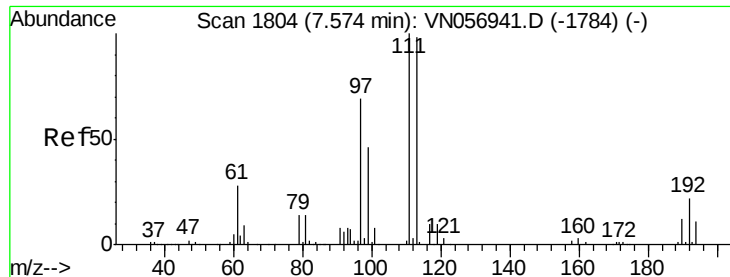
Tgt Ion: 65 Resp: 315463
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

Tgt Ion: 114 Resp: 814378
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.0
 88 15.3 0.0 30.0

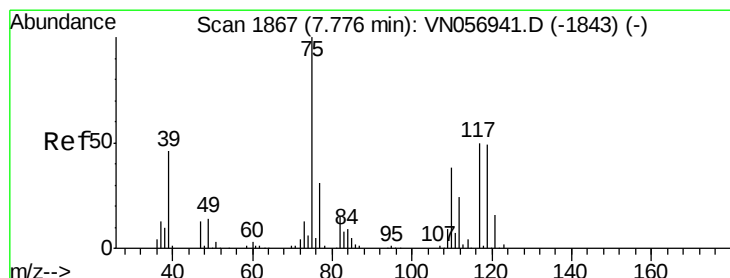
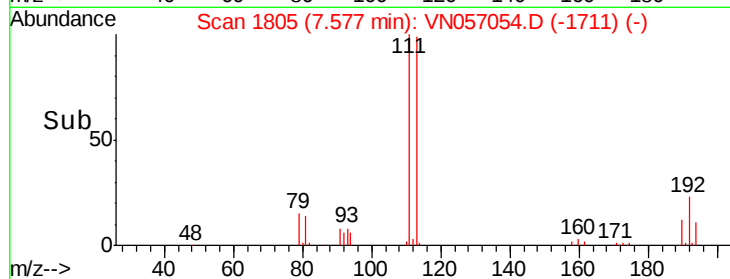
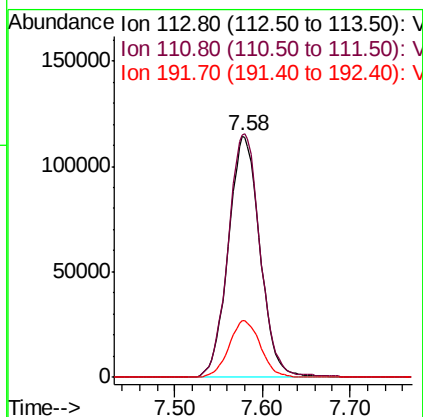
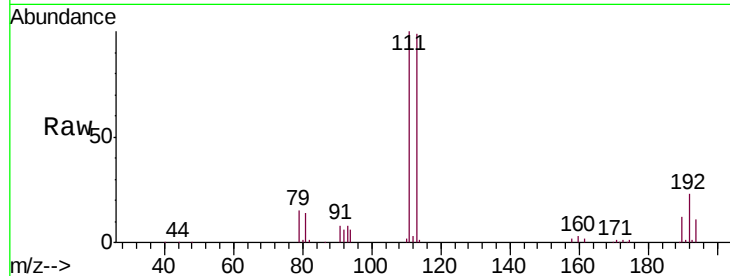




#35
 Dibromofluoromethane
 Concen: 54.986 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

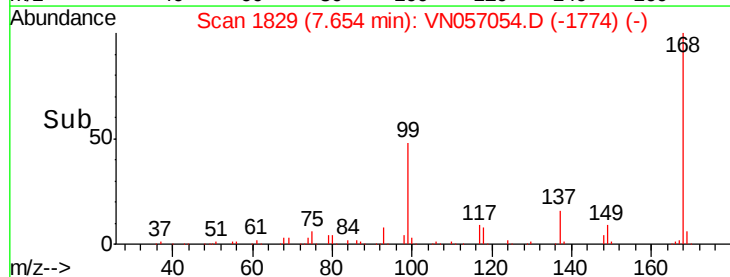
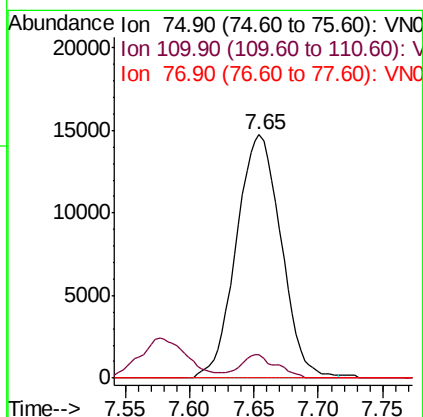
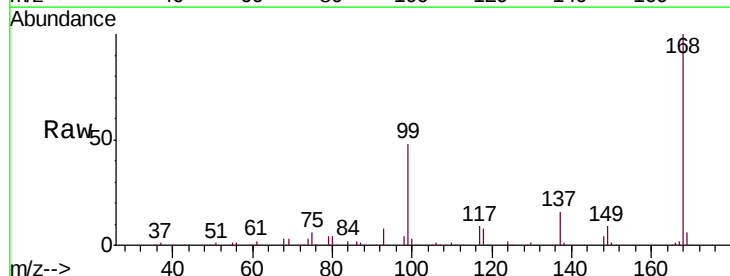
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ15711-20190731

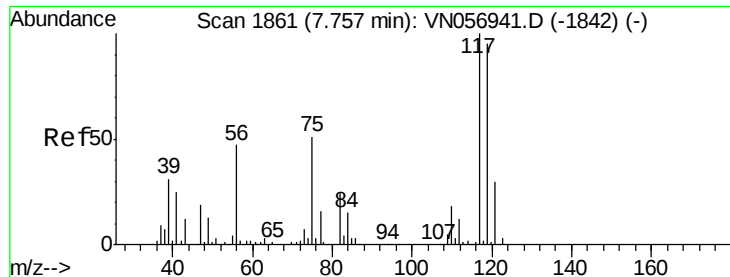
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.5	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.6	55.8#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 7.029 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ15711-20190731

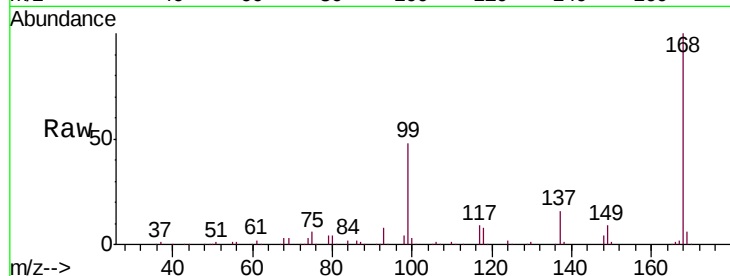
Tgt Ion: 117 Resp: 47648

Ion Ratio Lower Upper

117 100

119 5.2 75.3 112.9#

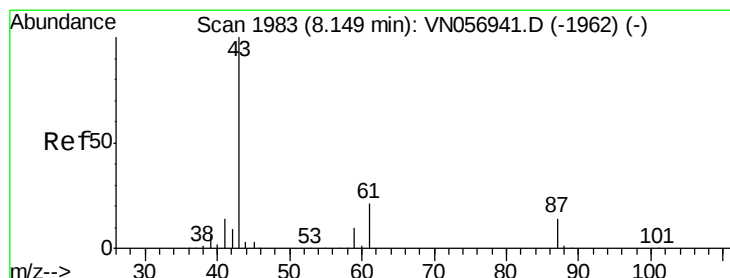
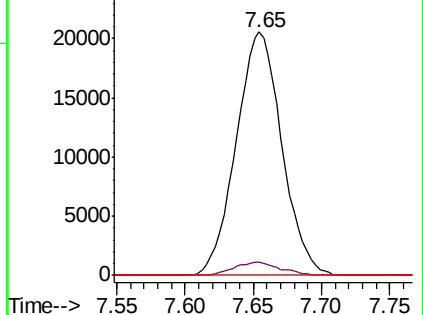
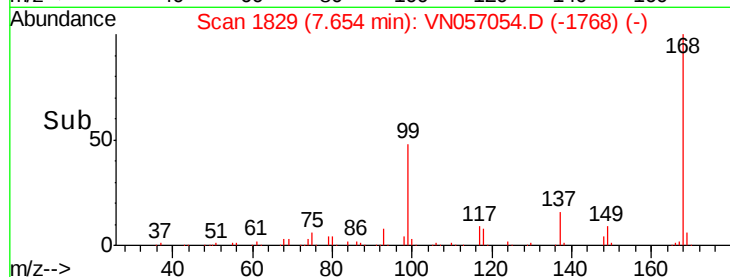
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.581 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.11 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

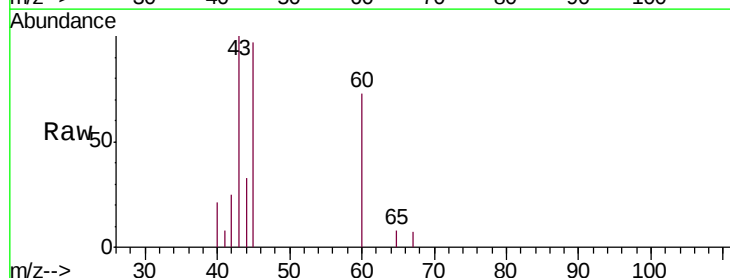
Tgt Ion: 43 Resp: 5507

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

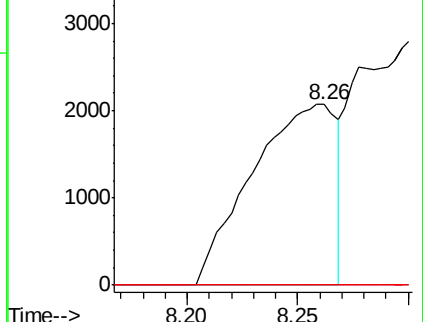
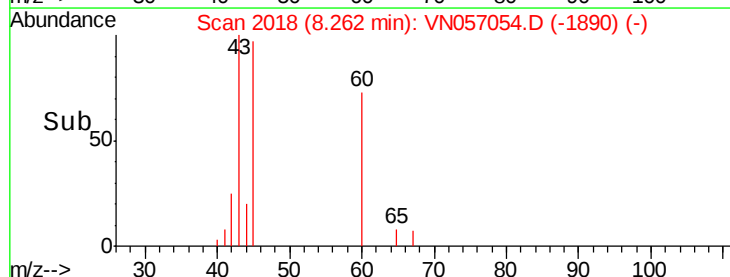
87 0.0 11.7 17.5#

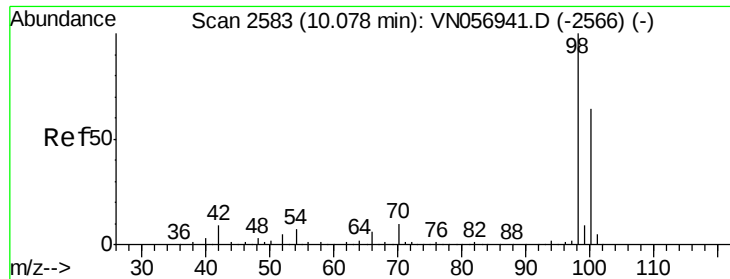


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 54.461 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

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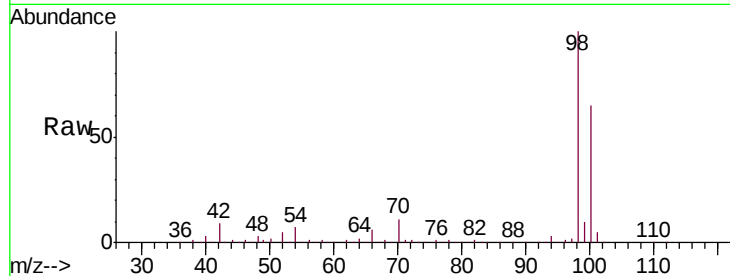
SA-PZ15711-20190731

Tgt Ion: 98 Resp: 1082735

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

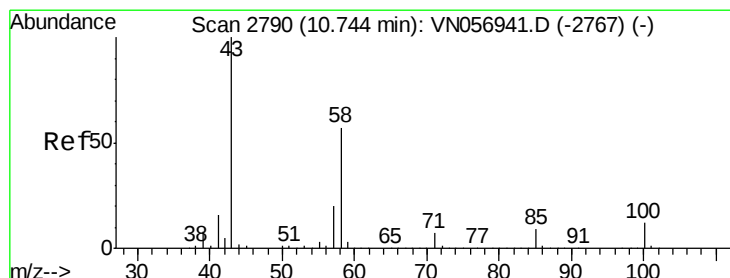
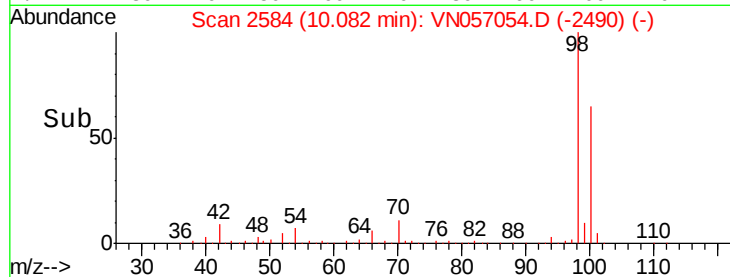
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 2.535 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.02 min

Lab File: VN057054.D

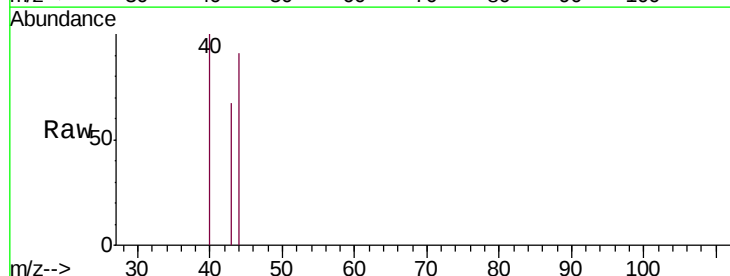
Acq: 2 Aug 2019 10:26

Tgt Ion: 43 Resp: 156

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

250

200

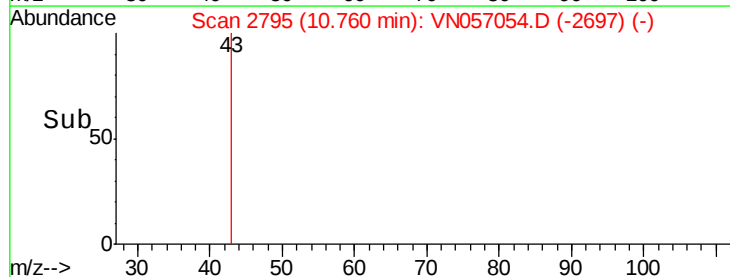
150

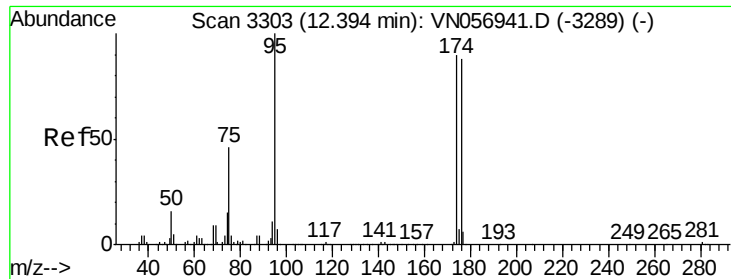
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.614 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ15711-20190731

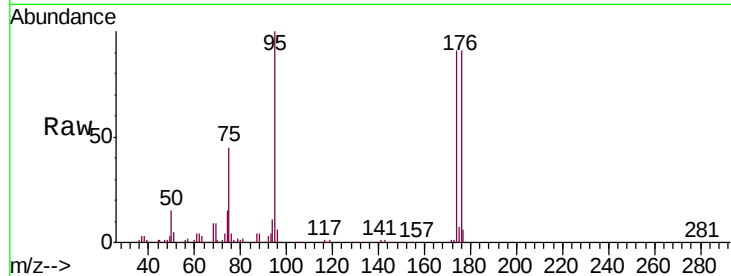
Tgt Ion: 95 Resp: 282276

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.2

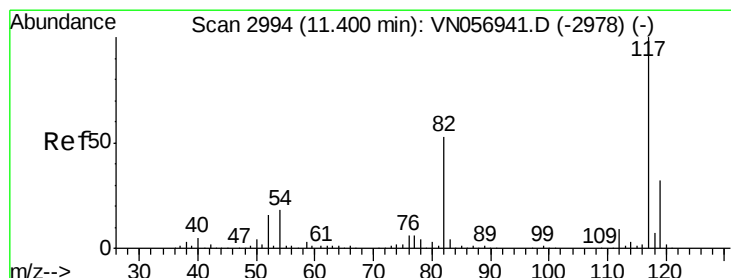
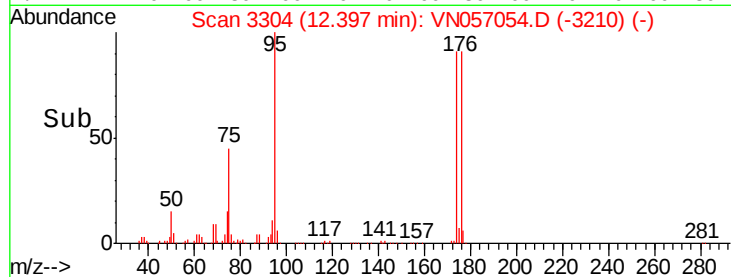
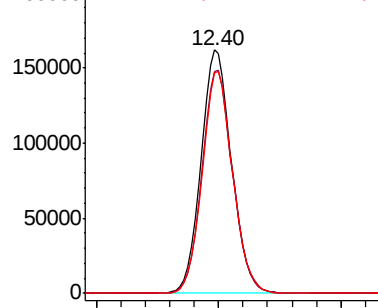
176 90.6 0.0 179.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

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: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

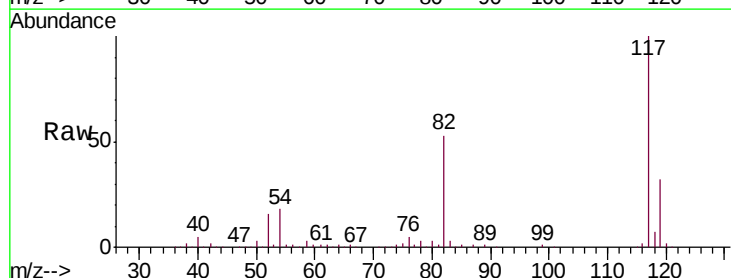
Tgt Ion: 117 Resp: 675372

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.4

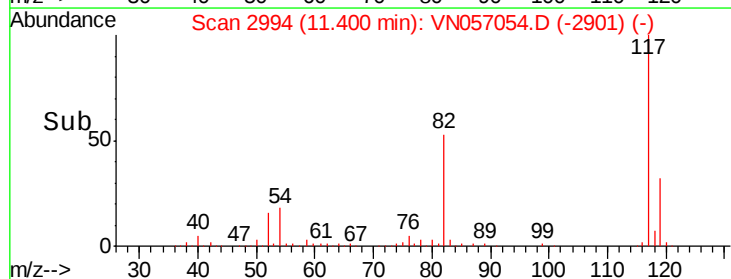
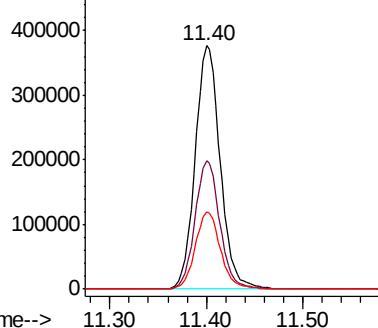
119 31.7 25.8 38.6

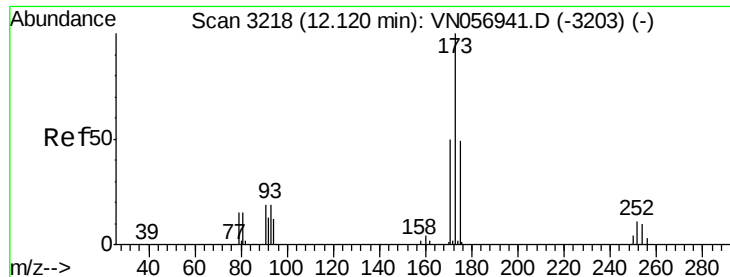


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 0.612 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ15711-20190731

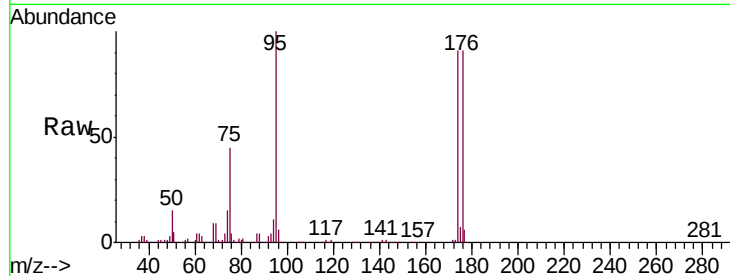
Tgt Ion:173 Resp: 2213

Ion Ratio Lower Upper

173 100

175 681.9 24.1 72.4#

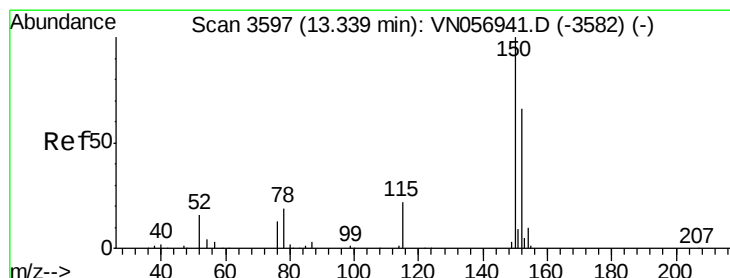
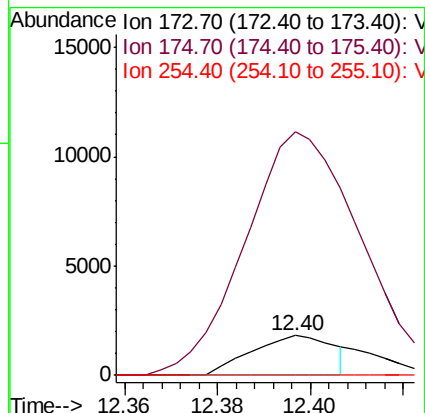
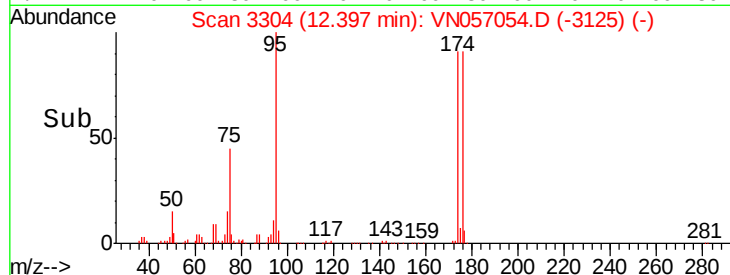
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

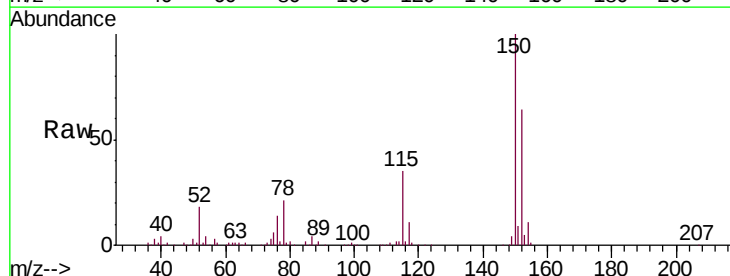
Tgt Ion:152 Resp: 181862

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

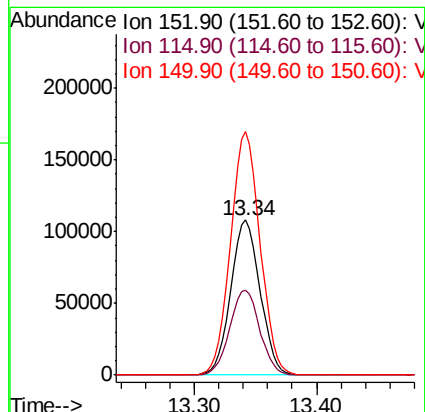
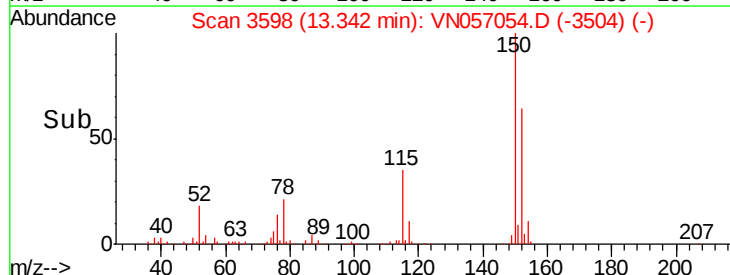
150 157.7 0.0 349.4

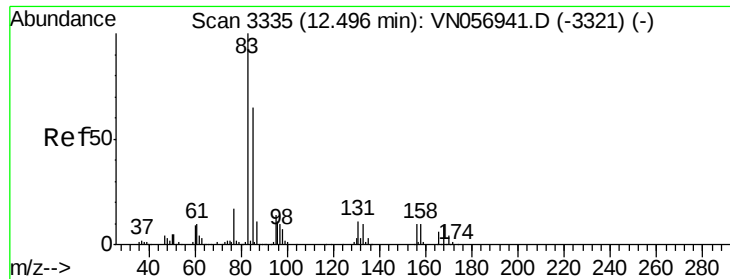


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ15711-20190731

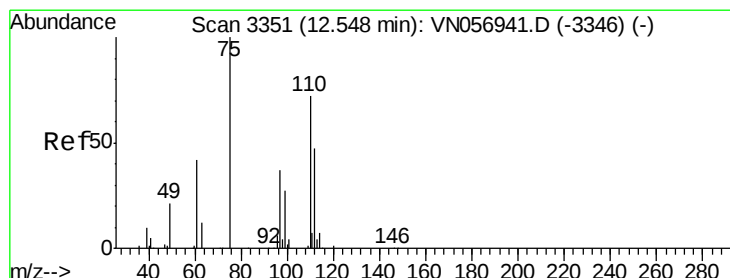
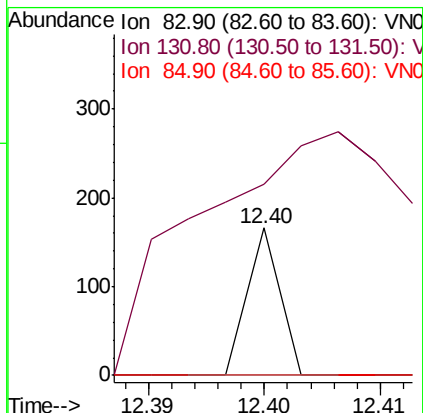
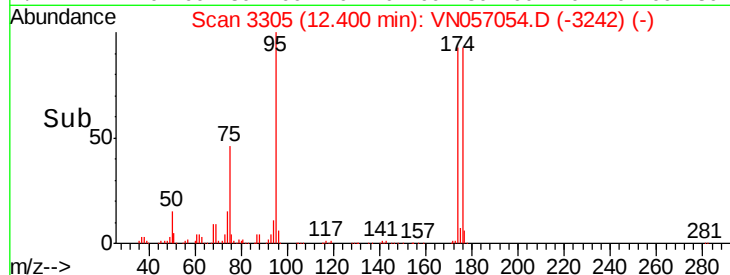
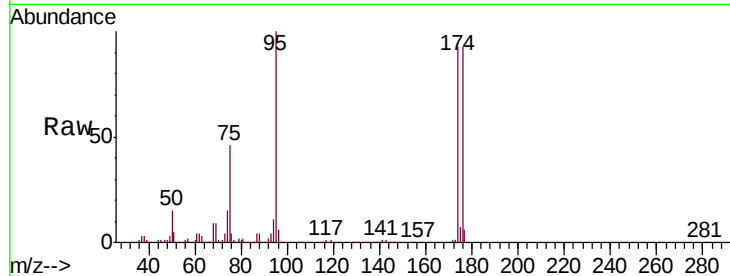
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 1031.3 5.3 16.1#

85 0.0 32.5 97.4#



#76

1,2,3-Trichloropropane

Concen: 34.663 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057054.D

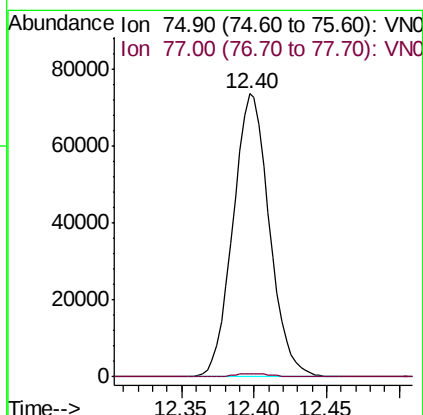
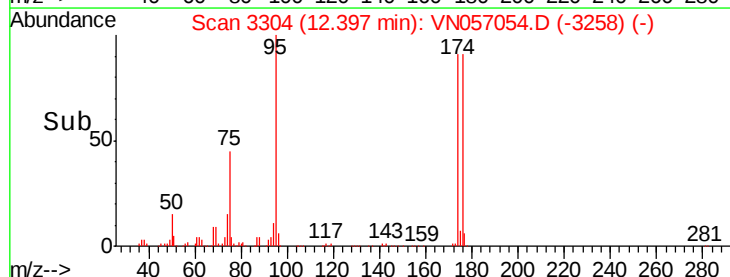
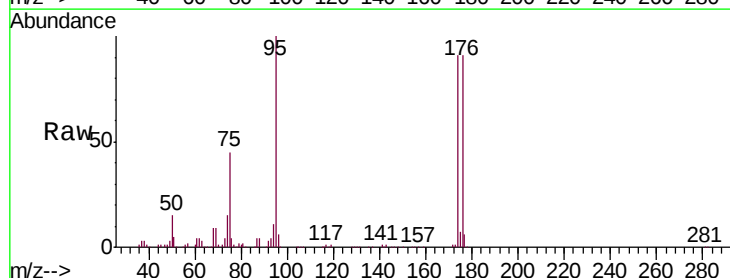
Acq: 2 Aug 2019 10:26

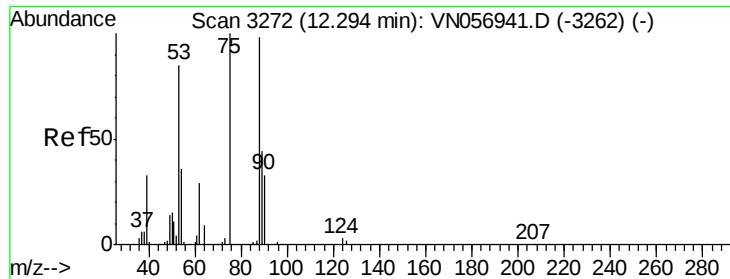
Tgt Ion: 75 Resp: 128020

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.370 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ15711-20190731

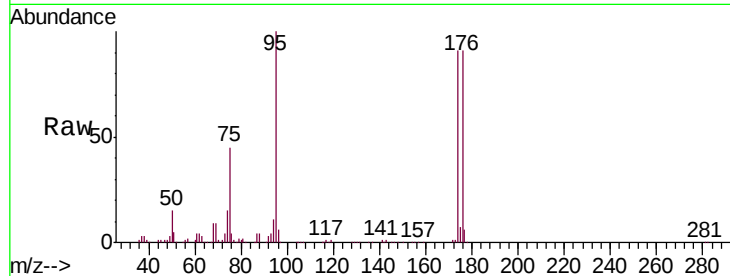
Tgt Ion: 75 Resp: 128020

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

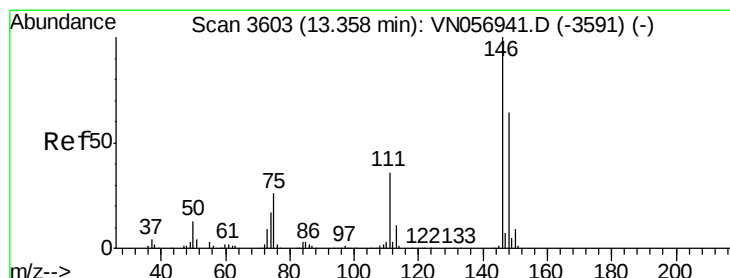
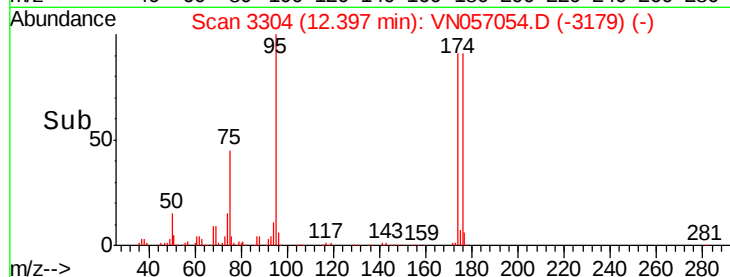
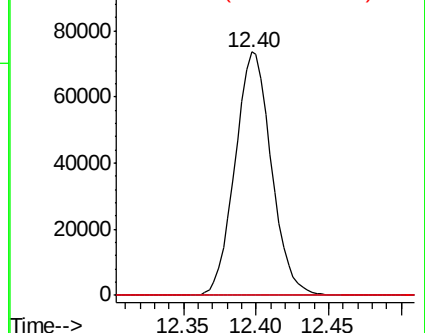
89 0.0 35.8 53.6#



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



#88

1,4-Dichlorobenzene

Concen: 0.204 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.01 min

Lab File: VN057054.D

Acq: 2 Aug 2019 10:26

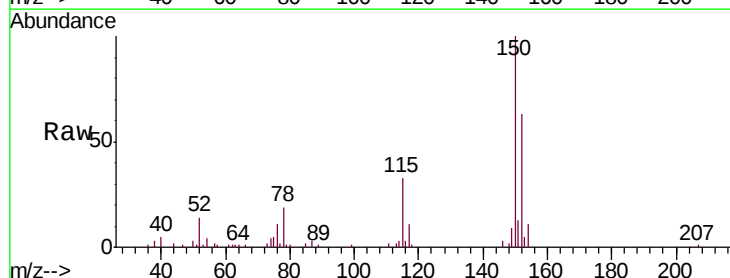
Tgt Ion: 146 Resp: 1226

Ion Ratio Lower Upper

146 100

111 0.0 18.4 55.2#

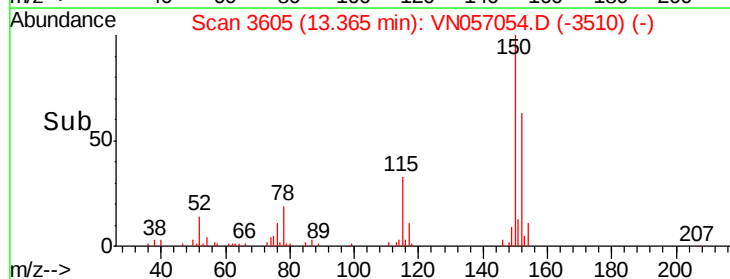
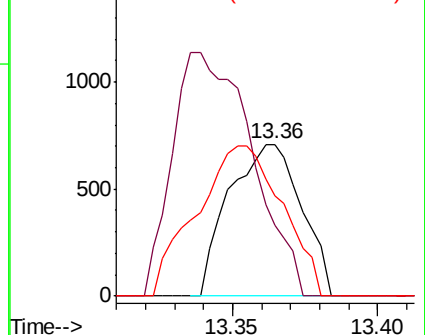
148 117.5 32.3 96.9#

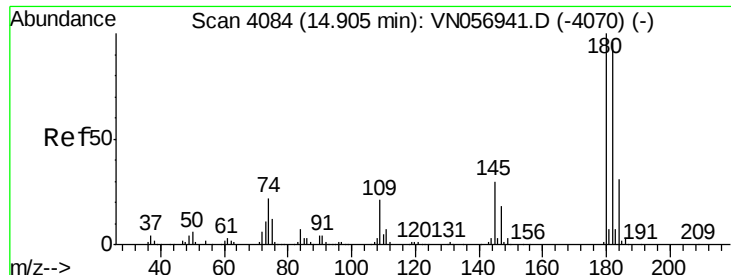


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

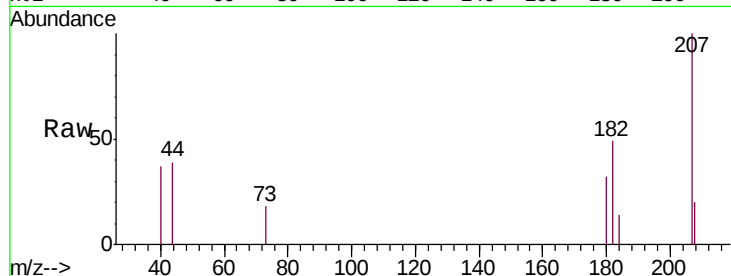




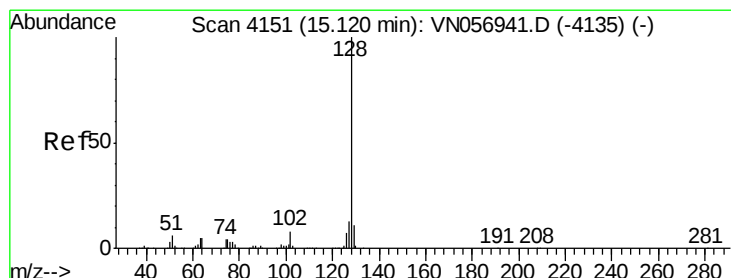
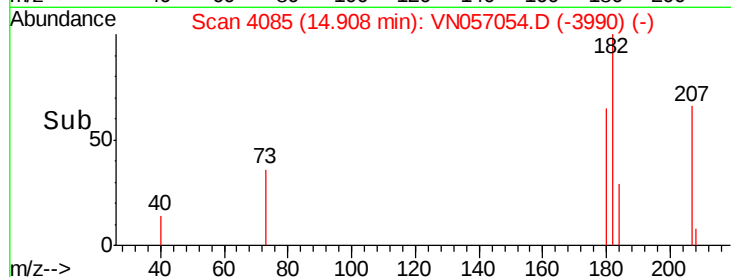
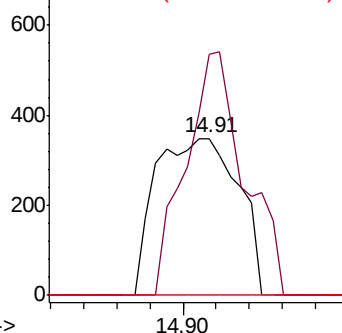
#93
 1,2,4-Trichlorobenzene
 Concen: 2.892 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ15711-20190731

Tgt Ion:180 Resp: 606
 Ion Ratio Lower Upper
 180 100
 182 109.4 47.6 142.8
 145 0.0 14.2 42.8#

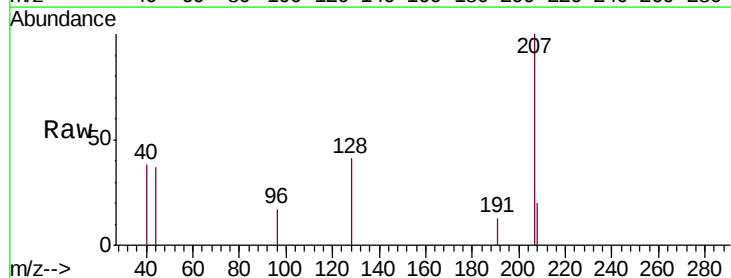


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

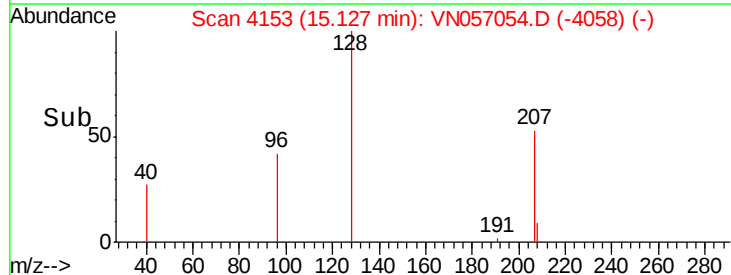
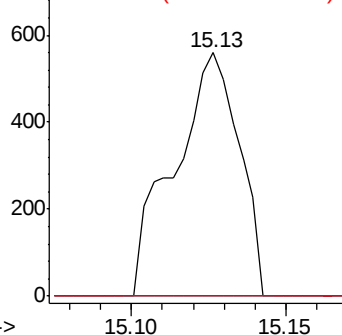


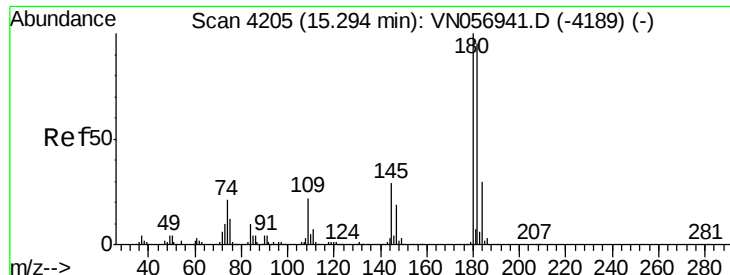
#95
 Naphthalene
 Concen: 3.686 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. 0.01 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

Tgt Ion:128 Resp: 818
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#



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

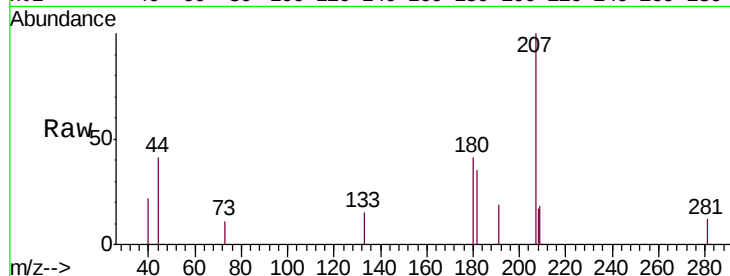




#96
 1,2,3-Trichlorobenzene
 Concen: 2.253 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN057054.D
 Acq: 2 Aug 2019 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ15711-20190731

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.6	48.0	144.2
145	0.0	15.0	45.0#



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

