

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059198.D
 Acq On : 12 Nov 2019 18:04
 Operator : JC/SP
 Sample : K5799-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:42:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	416813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	575463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	206075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	275958	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
35) Dibromofluoromethane	7.57	113	206538	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.08	98	794976	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.40	95	246906	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

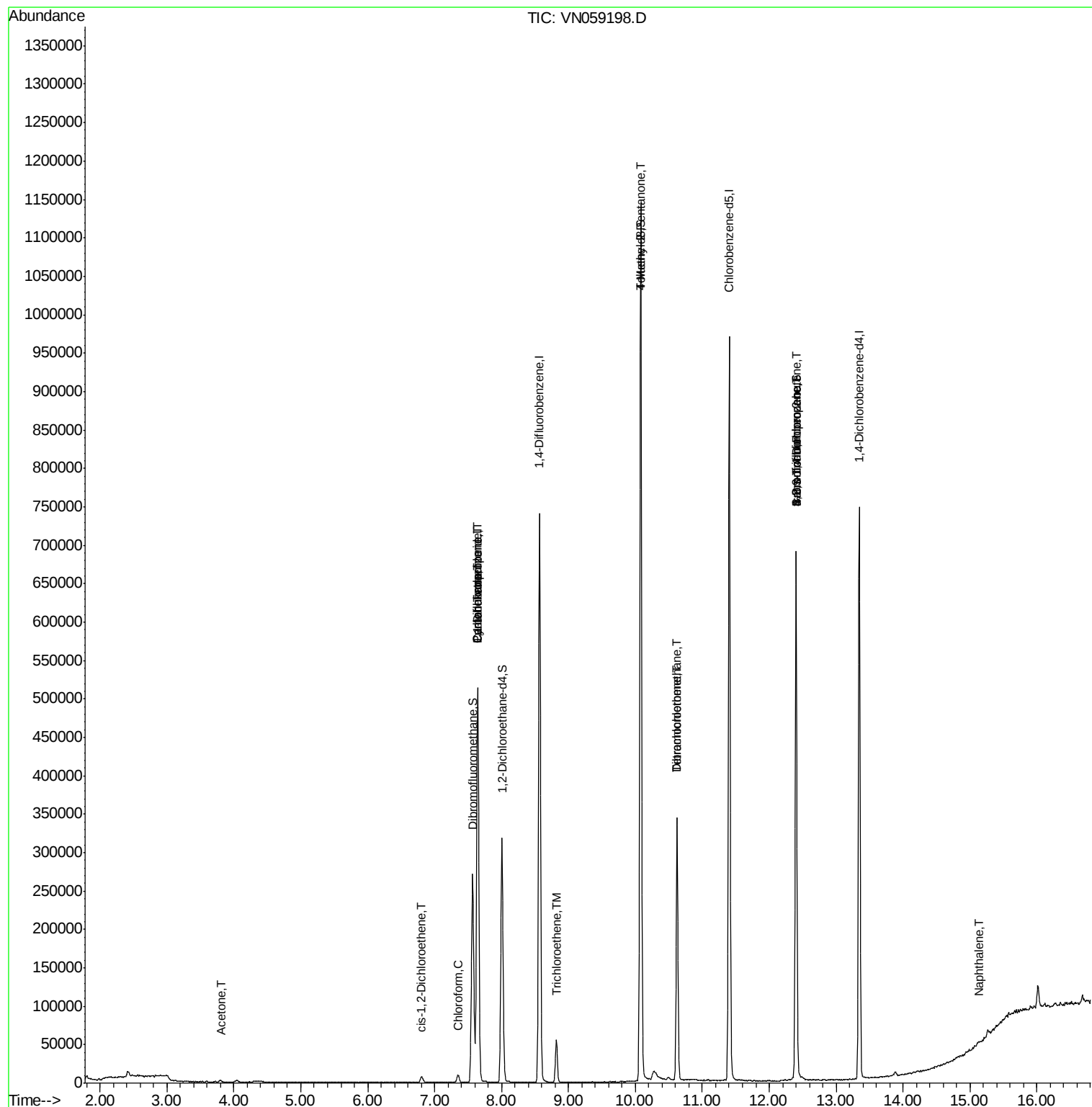
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	3751	1.408	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	4988	1.030	ug/l	83
30) Chloroform	7.35	83	10167	1.258	ug/l	91
31) Cyclohexane	7.64	56	8810	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32223	5.278	ug/l #	50
38) Carbon Tetrachloride	7.64	117	40743	6.704	ug/l #	17
44) Trichloroethene	8.82	130	20221	4.474	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	3349	0.547	ug/l #	1
60) Dibromochloromethane	10.62	129	73705	15.631	ug/l #	11
64) Tetrachloroethene	10.62	164	79378	20.285	ug/l	97
71) Bromoform	12.40	173	1610	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	125868	26.828	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125868	70.861	ug/l #	13
95) Naphthalene	15.14	128	1368	3.165	ug/l #	75

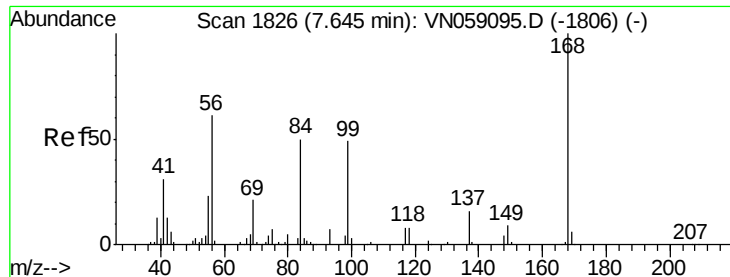
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

Instrument :

MSVOA_N

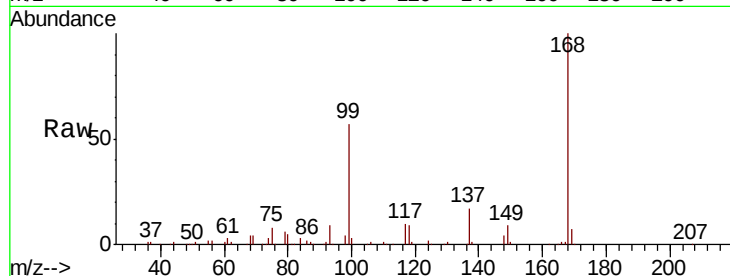
ClientSampleId :

Tot Ion:168 Resp: 416813

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

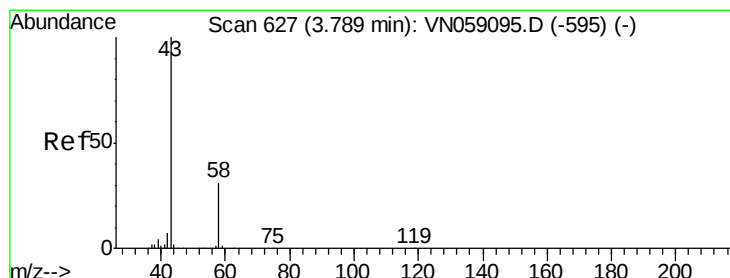
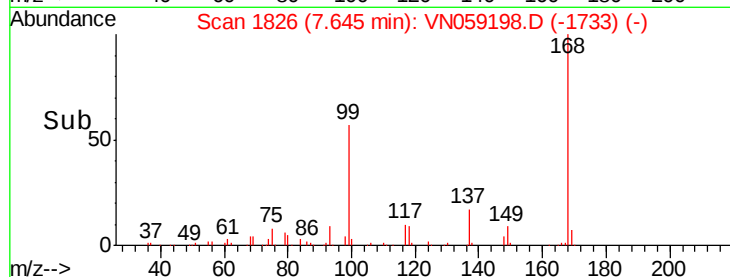
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 1.408 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN059198.D

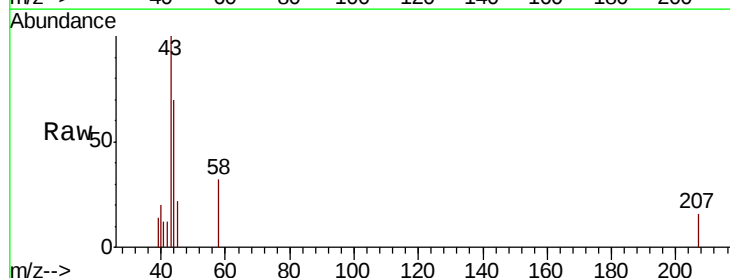
Acq: 12 Nov 2019 18:04

Tgt Ion: 43 Resp: 3751

Ion Ratio Lower Upper

43 100

58 32.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

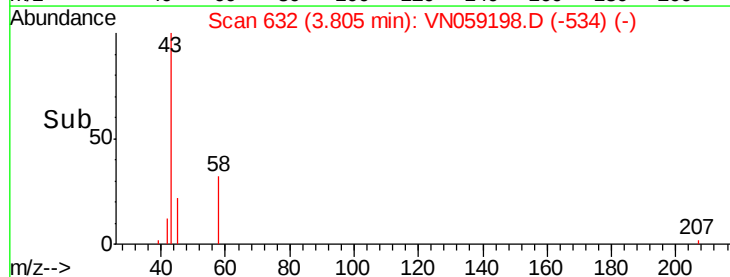
1500

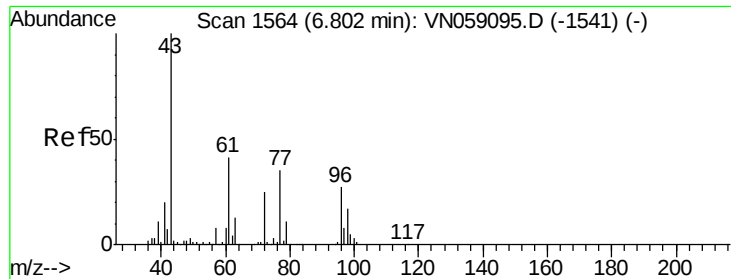
1000

500

0

Time--> 3.70 3.75 3.80 3.85

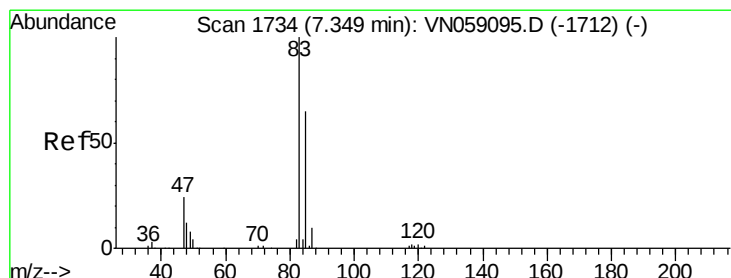
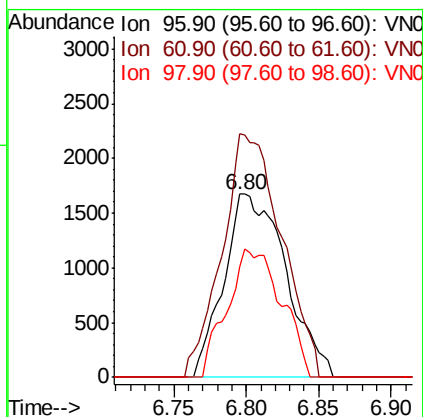
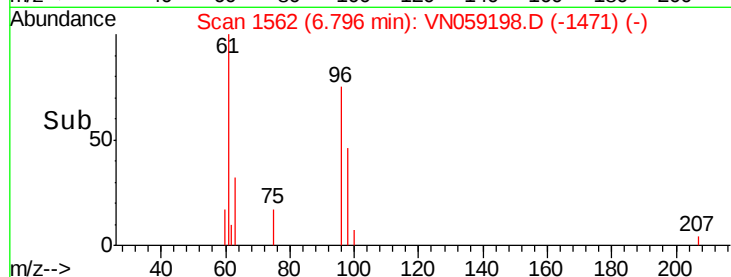
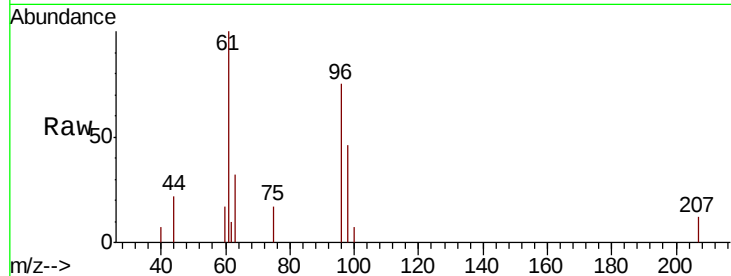




#27
 cis-1,2-Dichloroethene
 Concen: 1.030 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

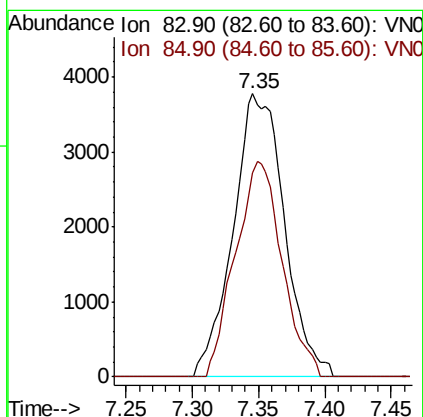
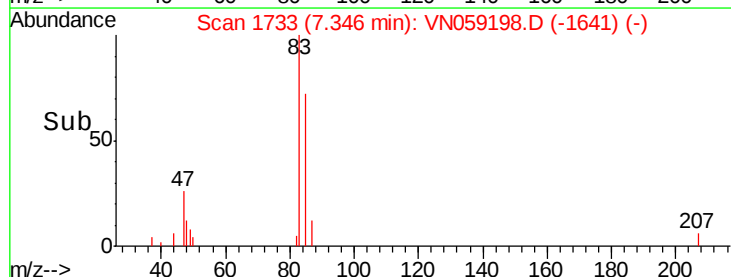
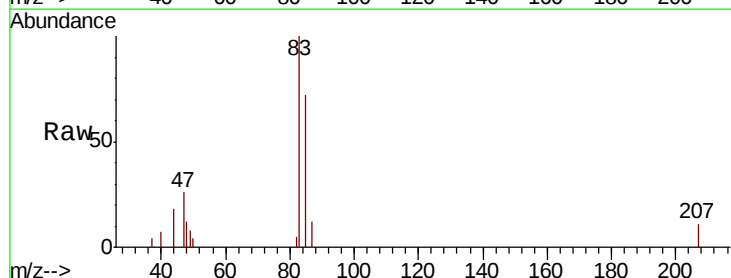
Instrument :
 MSVOA_N
 ClientSampleId :

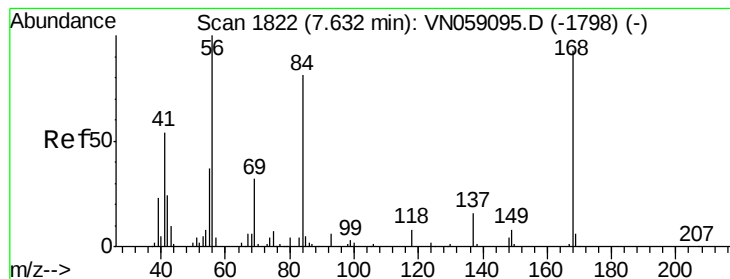
Tot Ion: 96 Resp: 4988
 Ion Ratio Lower Upper
 96 100
 61 127.1 0.0 311.6
 98 61.0 0.0 129.8



#30
 Chloroform
 Concen: 1.258 ug/l
 RT: 7.35 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

Tgt Ion: 83 Resp: 10167
 Ion Ratio Lower Upper
 83 100
 85 71.9 51.8 77.8





#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

Instrument :

MSVOA_N

ClientSampled :

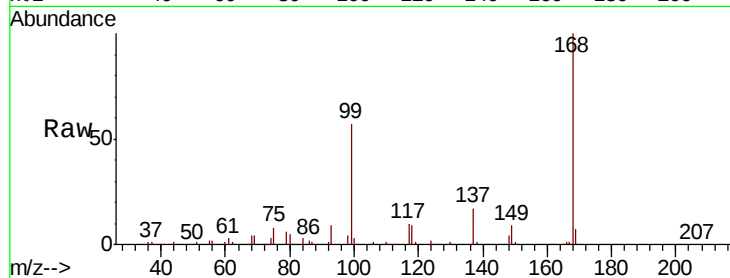
Tot Ion: 56 Resp: 8810

Ion Ratio Lower Upper

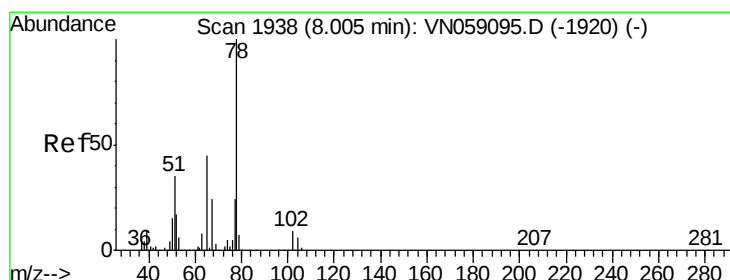
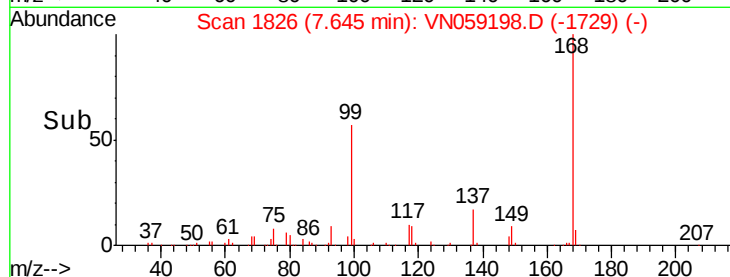
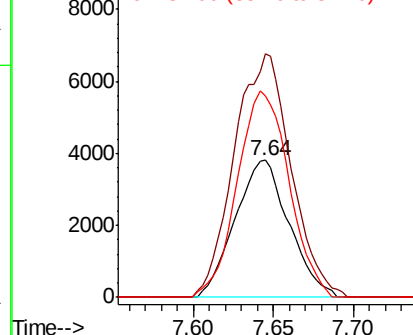
56 100

69 178.0 25.8 38.8#

84 147.6 65.0 97.4#



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



#33

1,2-Dichloroethane-d4

Concen: 53.859 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059198.D

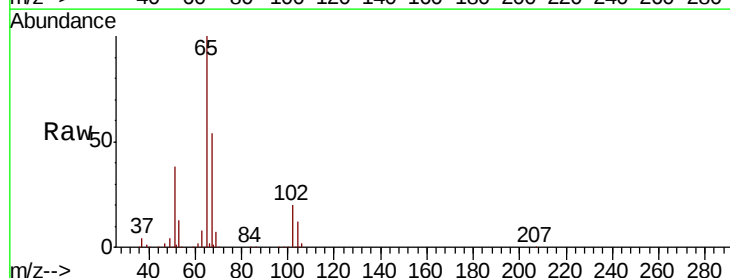
Acq: 12 Nov 2019 18:04

Tgt Ion: 65 Resp: 275958

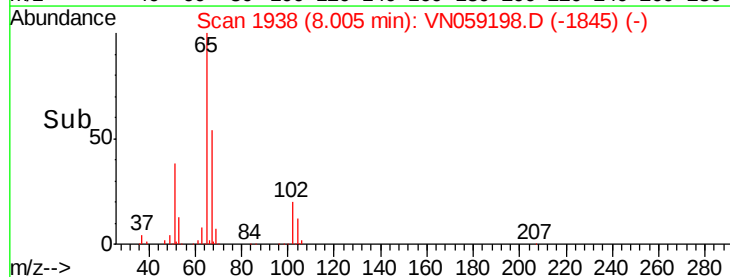
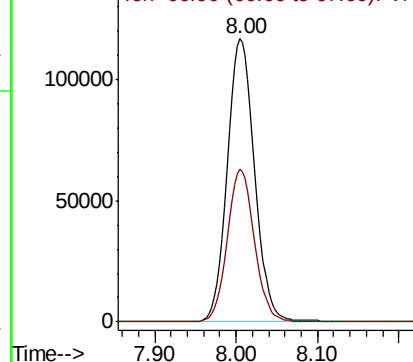
Ion Ratio Lower Upper

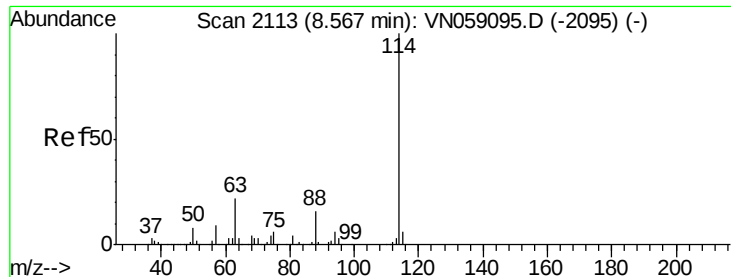
65 100

67 53.5 0.0 107.4



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

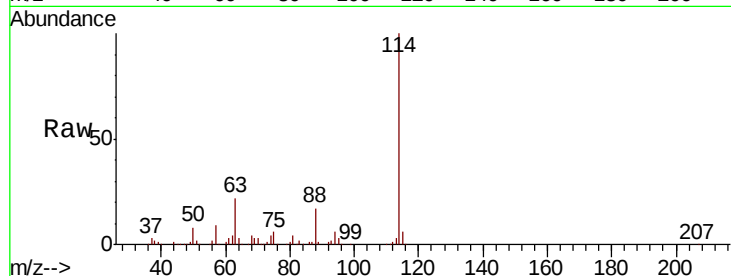




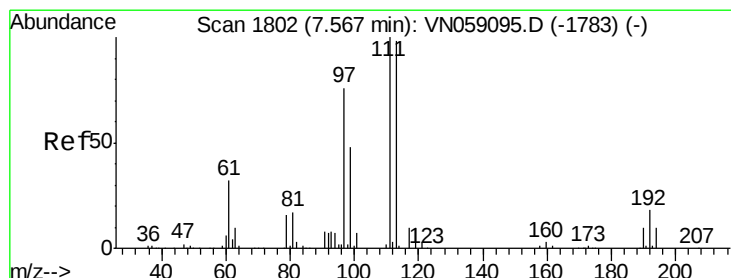
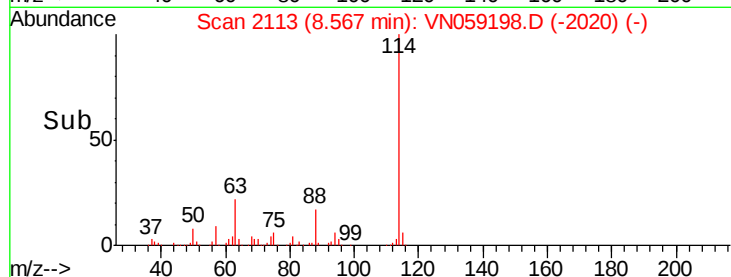
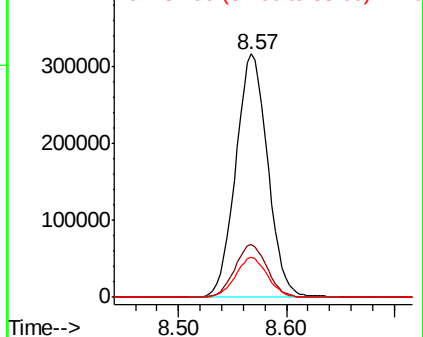
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.4
88	16.6	0.0	32.2

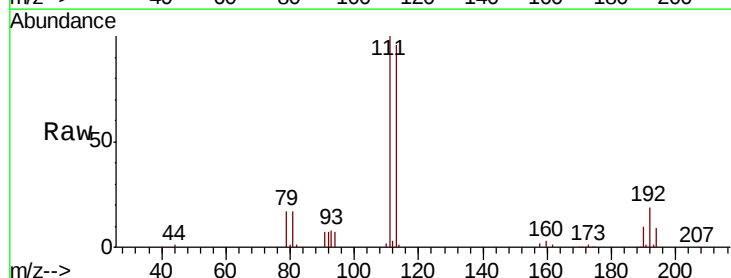


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

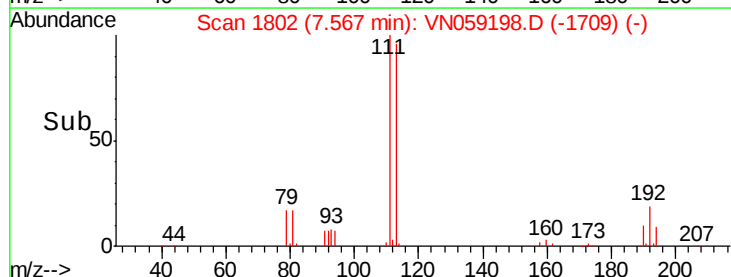
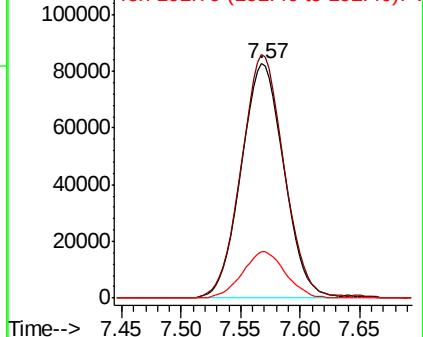


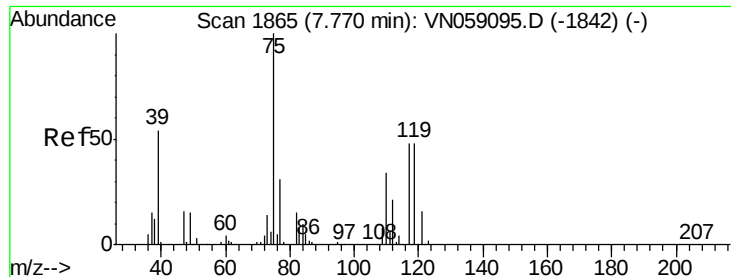
#35
 Dibromofluoromethane
 Concen: 52.954 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	19.8	16.1	24.1



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

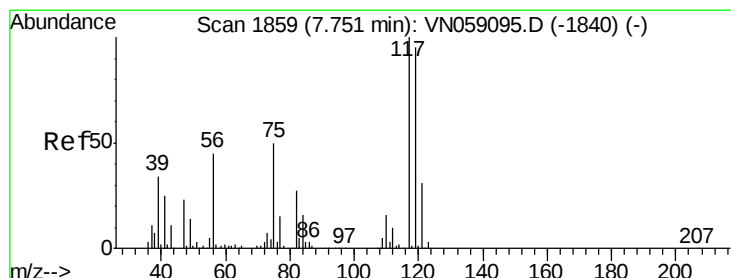
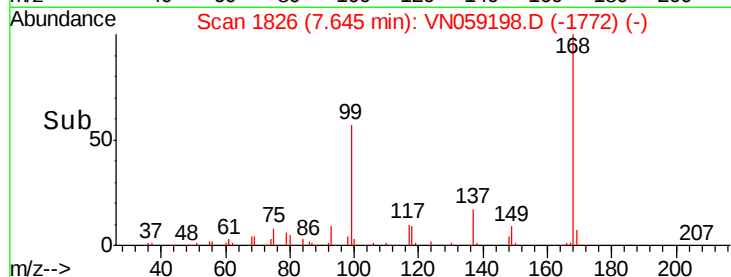
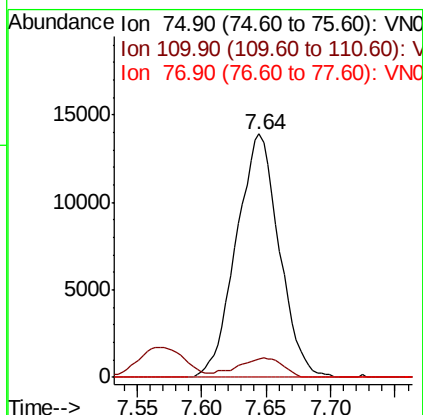
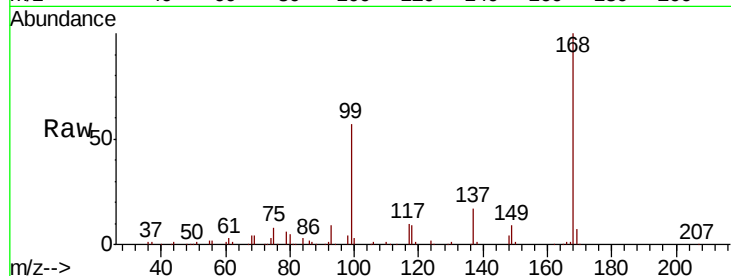




#36
 1,1-Dichloropropene
 Concen: 5.278 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

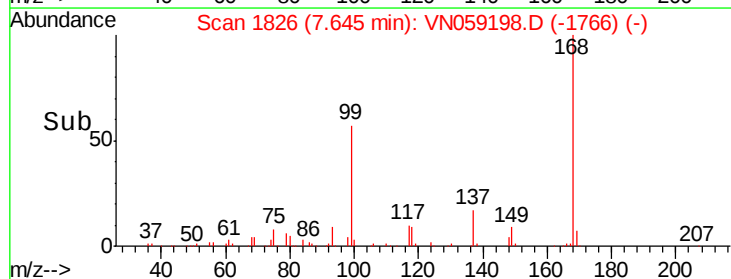
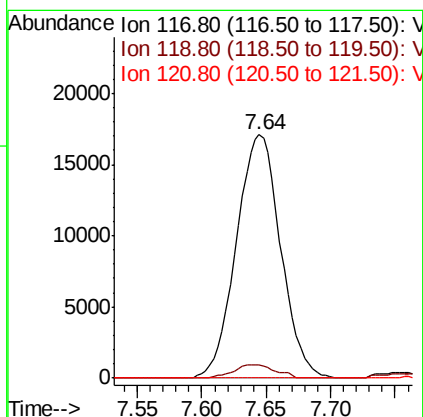
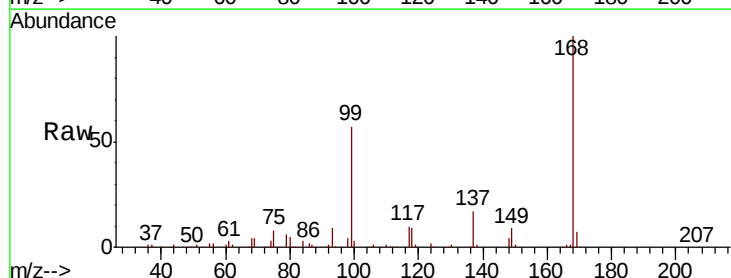
Instrument :
 MSVOA_N
 ClientSampled :

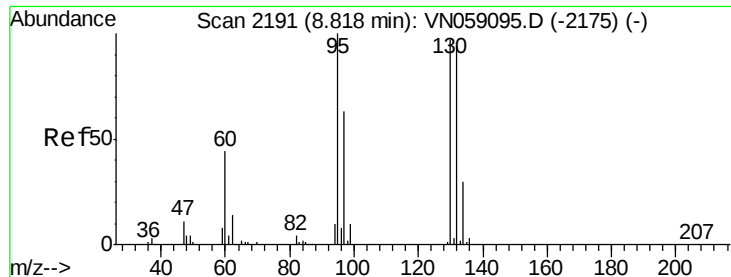
Tot Ion	75	Resp	32223
Ion Ratio	Lower	Upper	
75	100		
110	8.4	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.704 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

Tgt Ion	117	Resp	40743
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.6	113.4#
121	0.0	24.6	36.8#

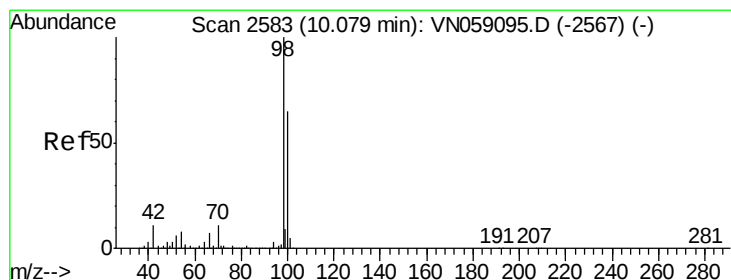
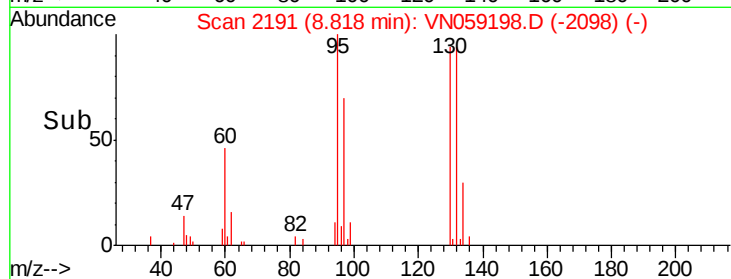
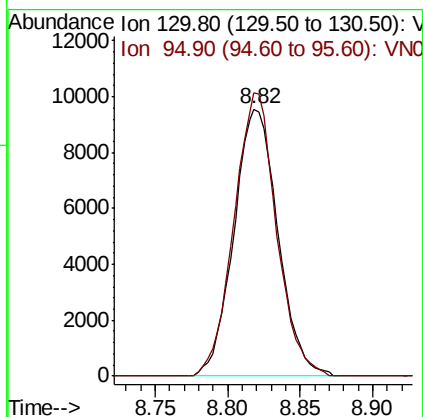
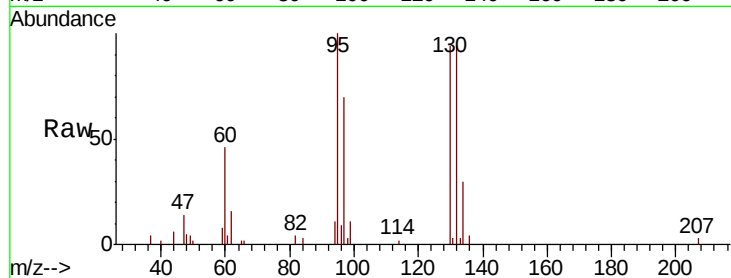




#44
 Trichloroethene
 Concen: 4.474 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

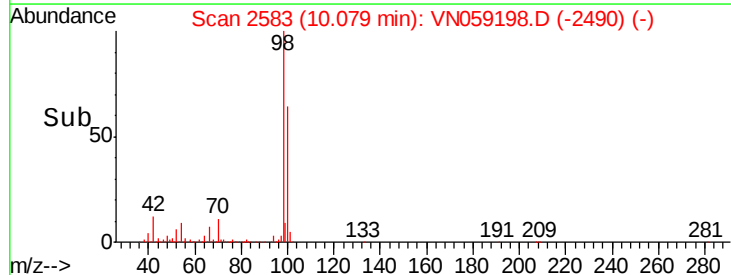
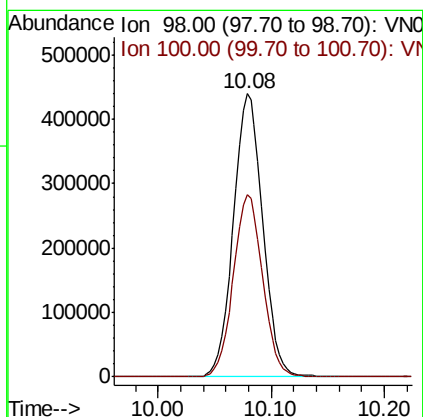
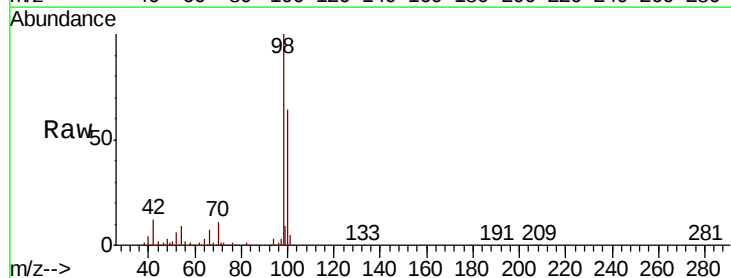
Instrument :
 MSVOA_N
 ClientSampleId :

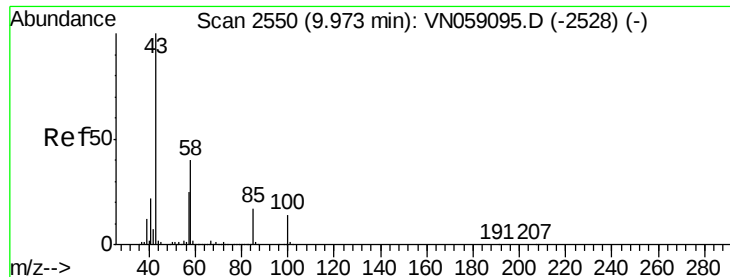
Tot Ion:130 Resp: 20221
 Ion Ratio Lower Upper
 130 100
 95 106.0 0.0 206.4



#50
 Toluene-d8
 Concen: 51.746 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059198.D
 Acq: 12 Nov 2019 18:04

Tgt Ion: 98 Resp: 794976
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.547 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.11 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

Instrument :

MSVOA_N

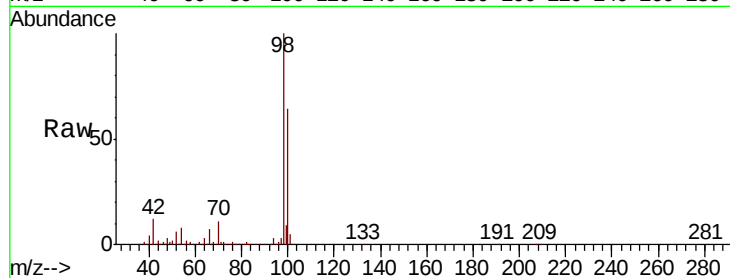
ClientSampleId :

Tot Ion: 43 Resp: 3349

Ion Ratio Lower Upper

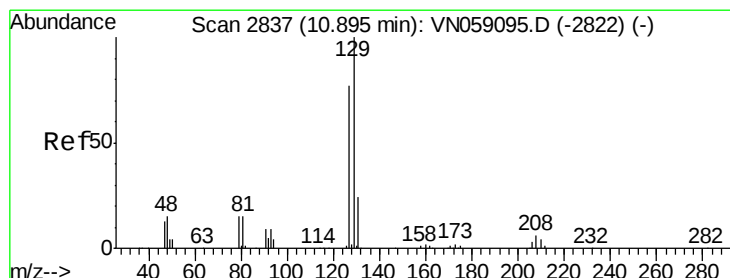
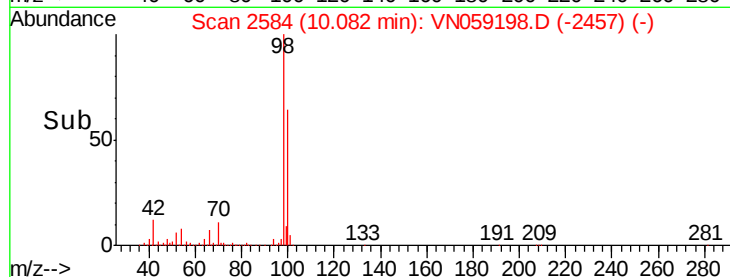
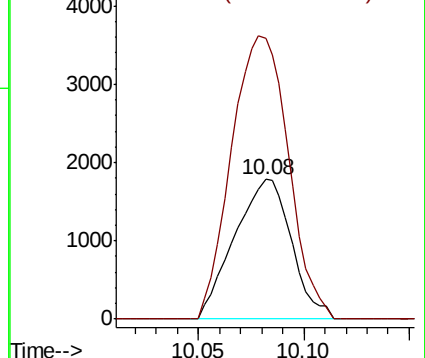
43 100

58 202.6 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059198.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059198.D (-2528) (-)



#60

Dibromochloromethane

Concen: 15.631 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.27 min

Lab File: VN059198.D

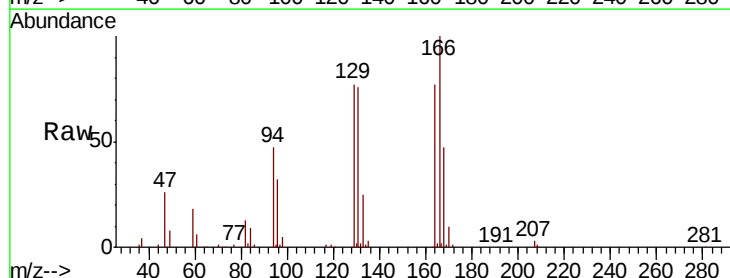
Acq: 12 Nov 2019 18:04

Tgt Ion: 129 Resp: 73705

Ion Ratio Lower Upper

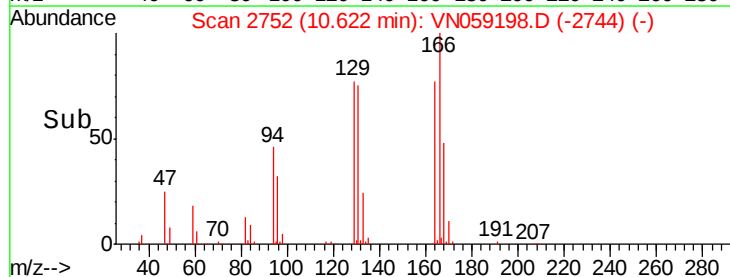
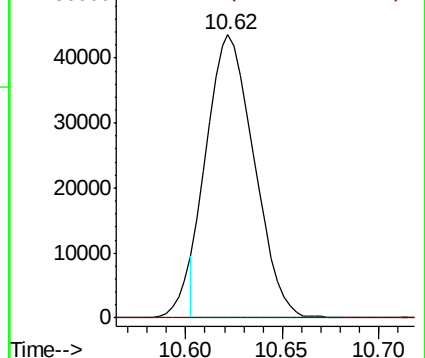
129 100

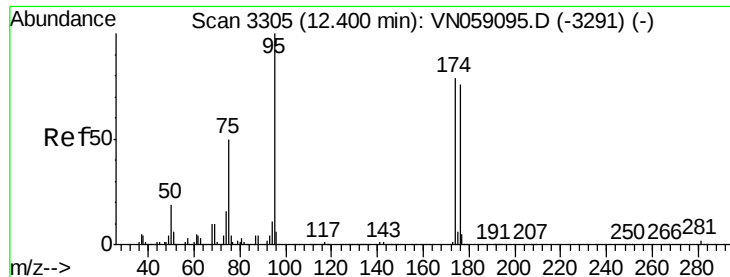
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VN059198.D (-2744) (-)

Ion 126.80 (126.50 to 127.50): VN059198.D (-2744) (-)





#62

4-Bromofluorobenzene

Concen: 44.573 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

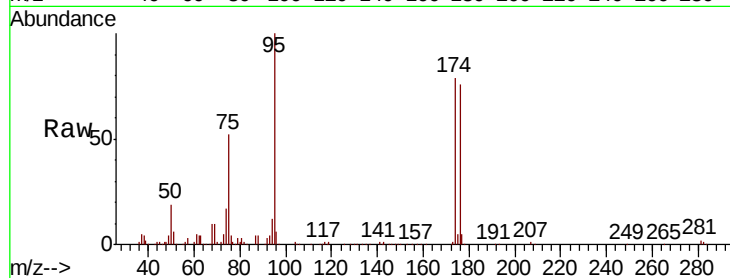
Tot Ion: 95 Resp: 246906

Ion Ratio Lower Upper

95 100

174 79.6 0.0 158.2

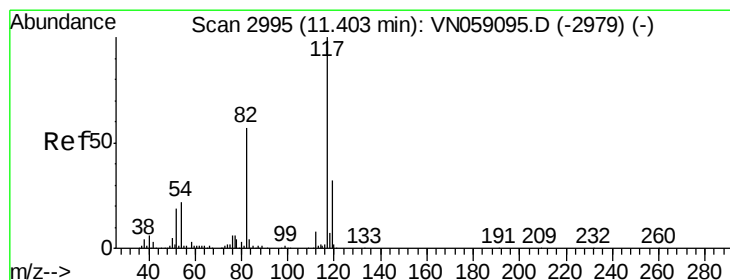
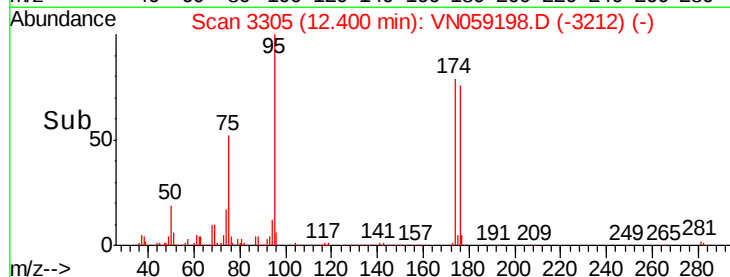
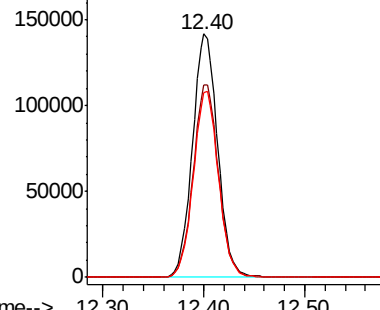
176 76.5 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059095.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059095.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059095.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

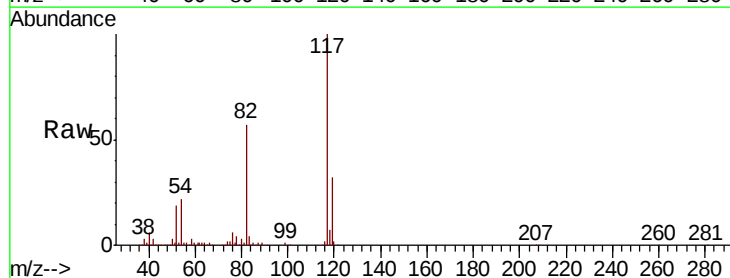
Tgt Ion: 117 Resp: 575463

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

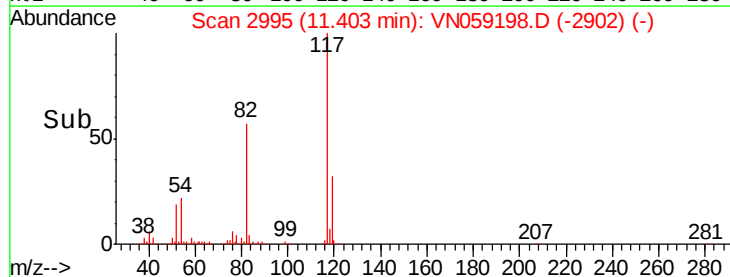
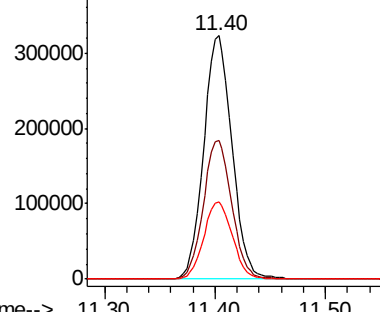
119 31.5 25.8 38.6

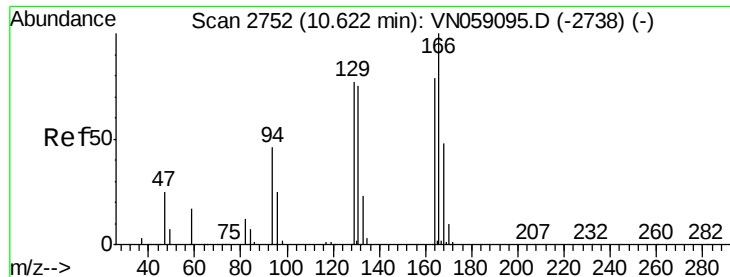


Abundance Ion 116.90 (116.60 to 117.60): VN059095.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059095.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059095.D (-2979) (-)

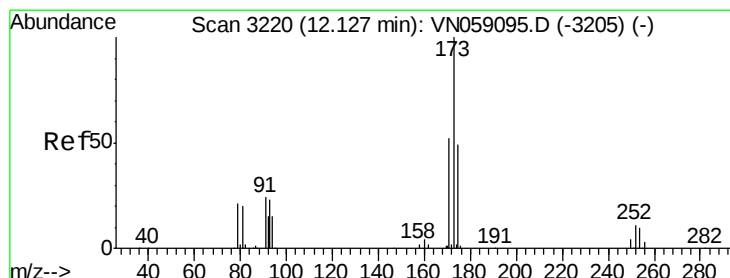
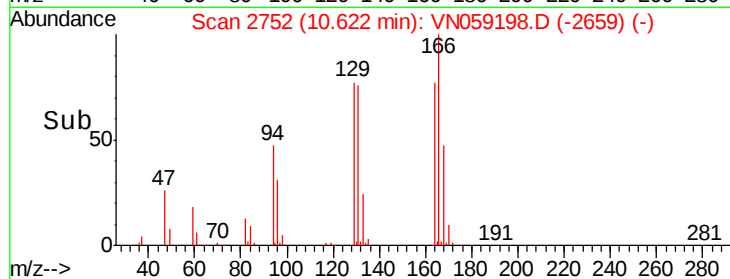
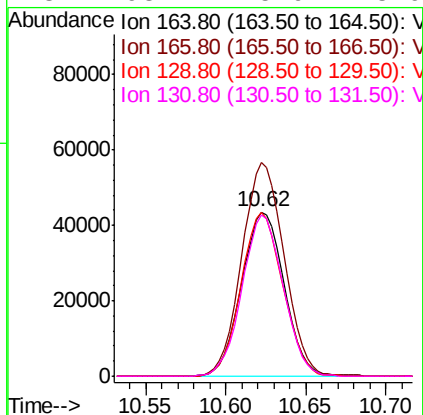
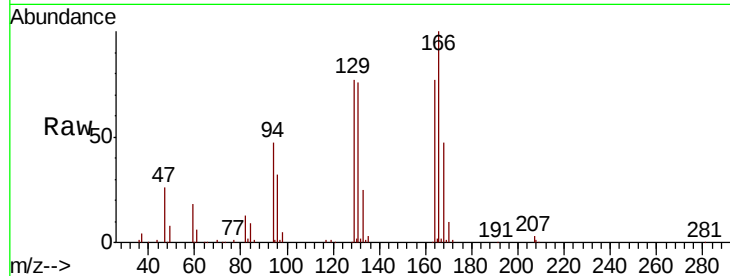




#64
Tetrachloroethene
Concen: 20.285 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059198.D
Acq: 12 Nov 2019 18:04

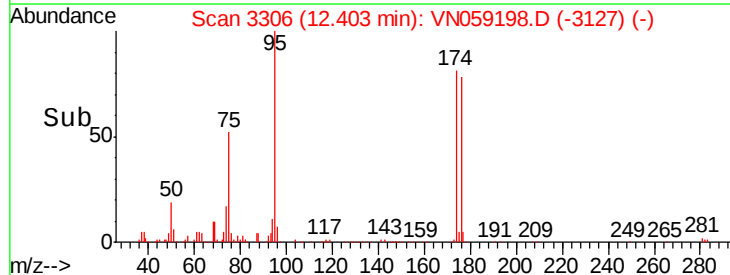
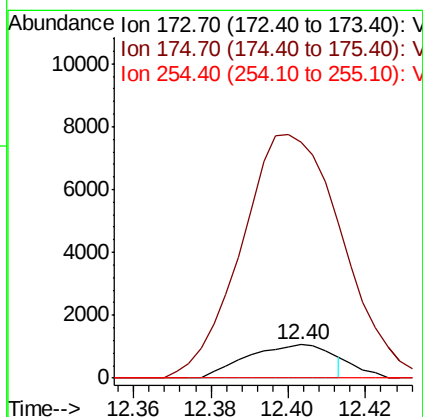
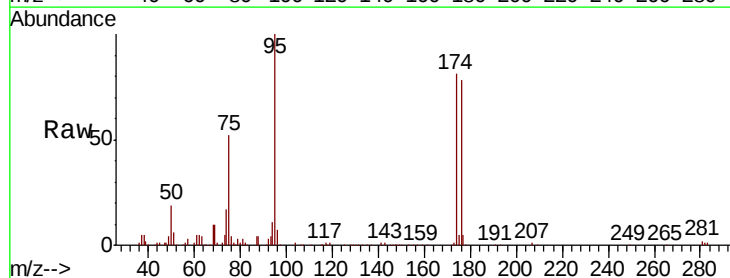
Instrument :
MSVOA_N
ClientSampleId :

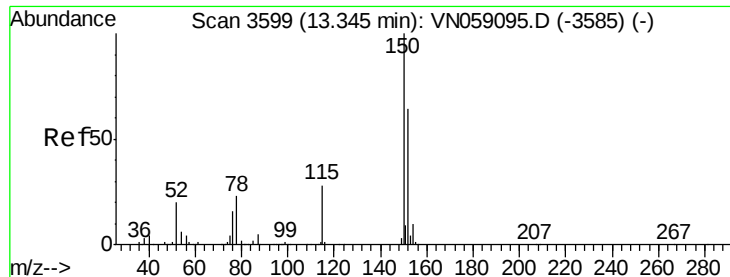
Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.5	152.3
129	99.9	78.3	117.5
131	98.2	75.9	113.9



#71
Bromoform
Concen: 0.492 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059198.D
Acq: 12 Nov 2019 18:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	759.5	24.2	72.6#
254	0.0	0.1	0.1#



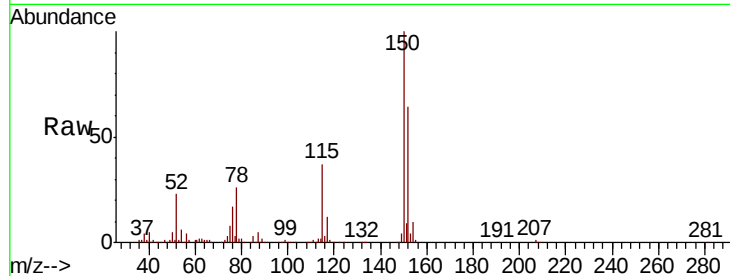


#72

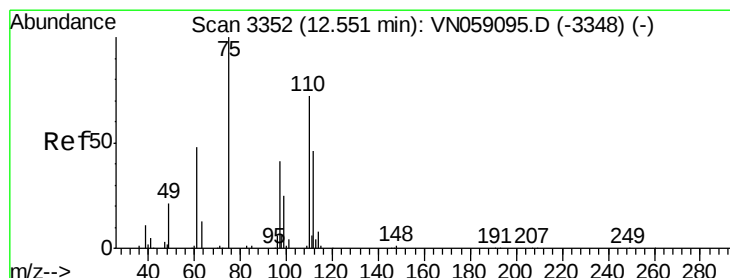
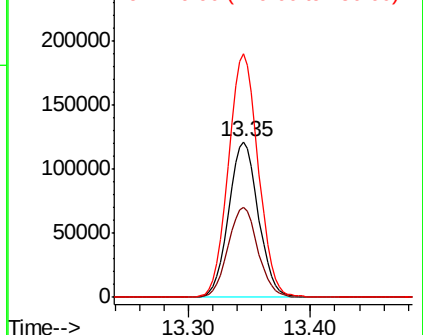
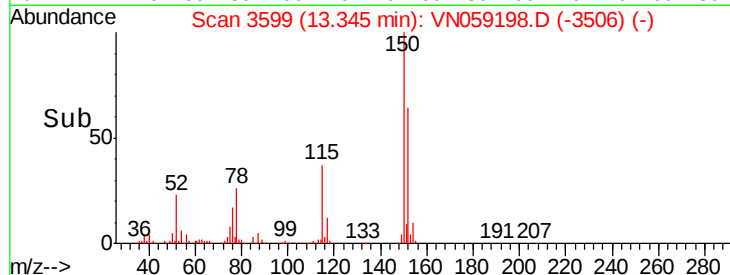
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059198.D
Acq: 12 Nov 2019 18:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.4	88.2
150	157.5	0.0	345.8



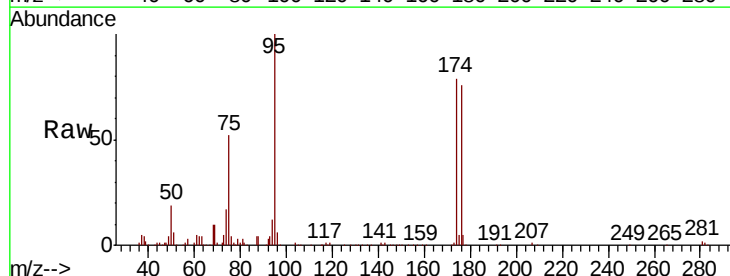
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



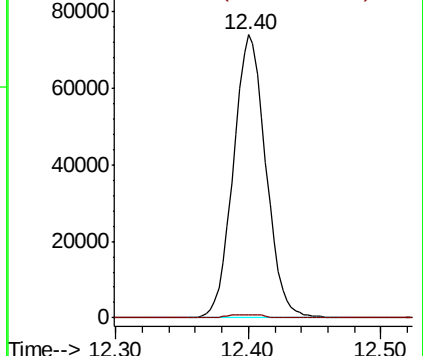
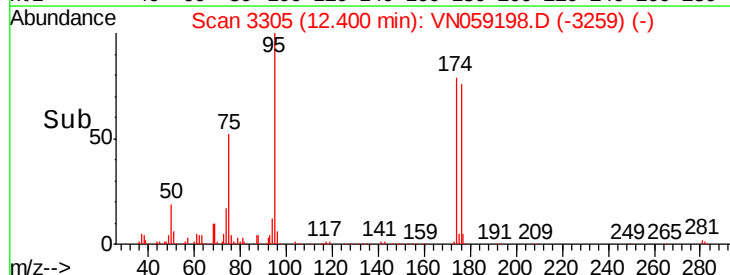
#76

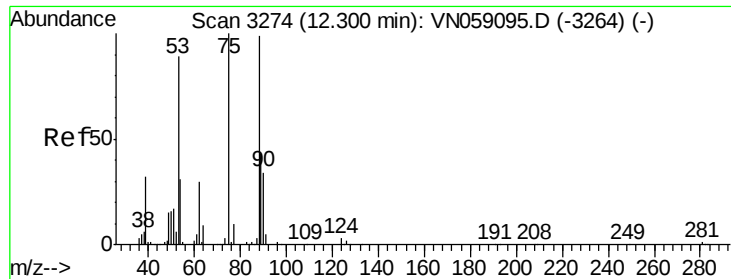
1,2,3-Trichloropropane
Concen: 26.828 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059198.D
Acq: 12 Nov 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.861 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

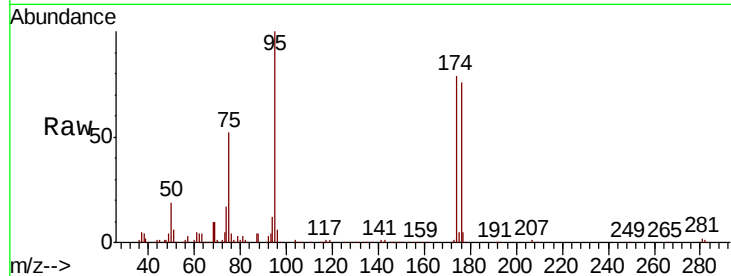
Tot Ion: 75 Resp: 125868

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

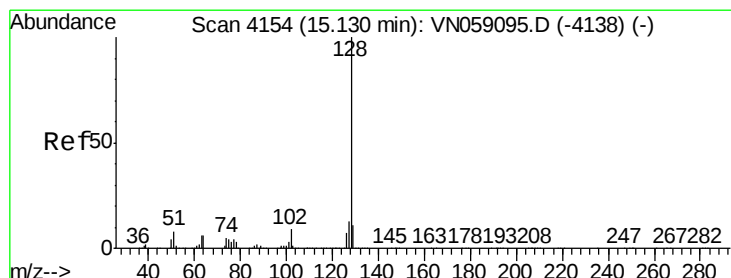
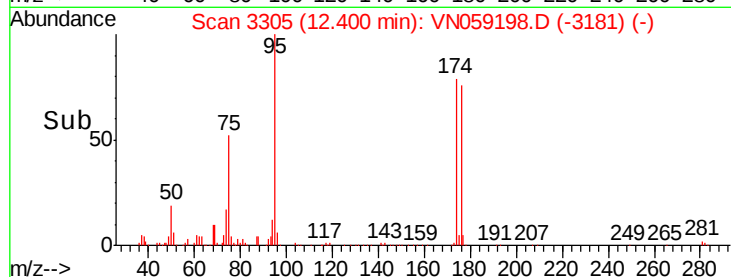
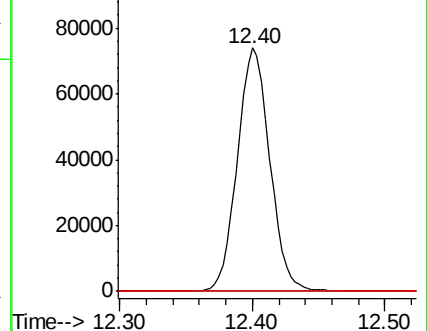
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN059095.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN059095.D (-3264) (-)



#95

Naphthalene

Concen: 3.165 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN059198.D

Acq: 12 Nov 2019 18:04

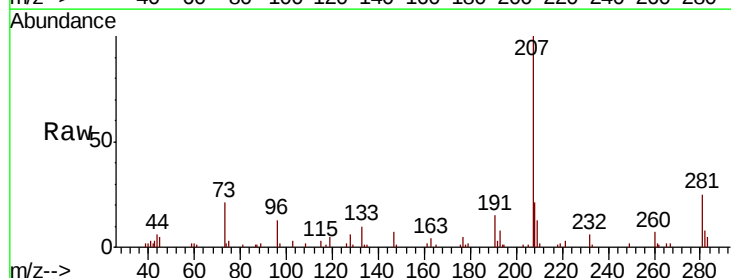
Tgt Ion: 128 Resp: 1368

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 4.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059095.D (-4138) (-)

Ion 127.00 (126.70 to 127.70): VN059095.D (-4138) (-)

Ion 129.00 (128.70 to 129.70): VN059095.D (-4138) (-)

