

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058738.D
 Acq On : 12 Oct 2019 5:34
 Operator : JC/SP
 Sample : K5292-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20180657-AMENDED-COMP-D

Quant Time: Oct 12 07:02:31 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	413276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	649376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	575555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232497	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	294766	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
35) Dibromofluoromethane	7.57	113	108845	27.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	54.28%	
50) Toluene-d8	10.08	98	815611	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	267344	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.06%	

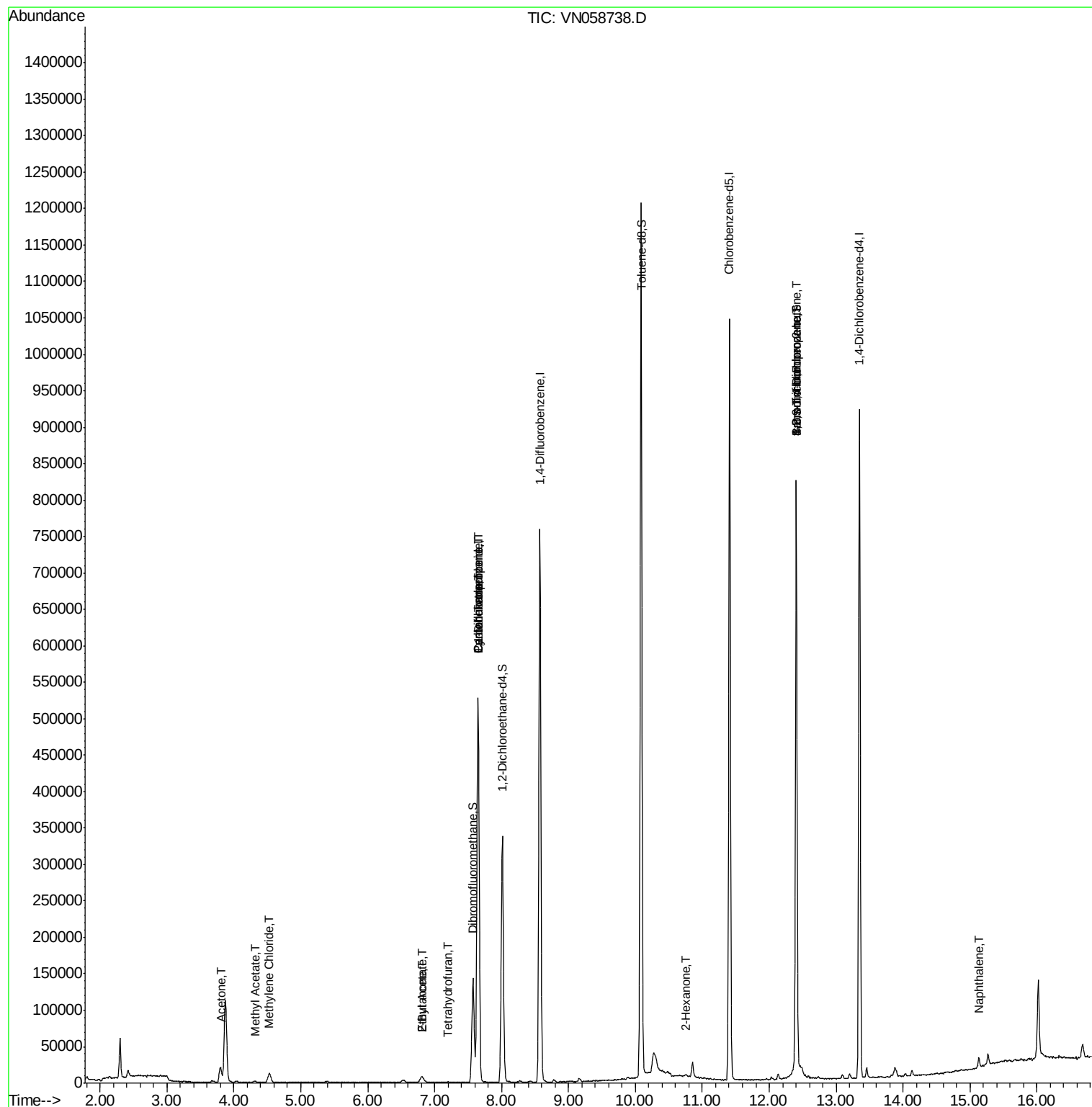
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	39324	16.417	ug/l	98
18) Methyl Acetate	4.31	43	3593	0.591	ug/l #	64
20) Methylene Chloride	4.53	84	9180	1.834	ug/l #	92
25) 2-Butanone	6.82	43	3351	0.968	ug/l	98
29) Tetrahydrofuran	7.20	42	768	0.343	ug/l #	39
31) Cyclohexane	7.65	56	9901	1.167	ug/l #	8
36) 1,1-Dichloropropene	7.65	75	33844	5.155	ug/l #	50
37) Ethyl Acetate	6.82	43	3351	0.505	ug/l #	70
38) Carbon Tetrachloride	7.65	117	41226	6.443	ug/l #	17
59) 2-Hexanone	10.75	43	2033	0.414	ug/l #	62
71) Bromoform	12.40	173	1757	0.555	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	143518	28.138	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	143518	75.374	ug/l #	11
95) Naphthalene	15.13	128	7269	0.563	ug/l #	95

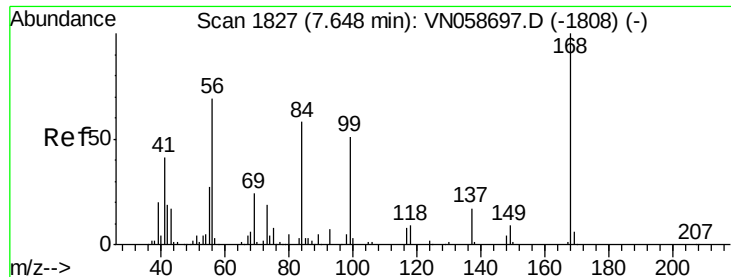
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

Instrument :

MSVOA_N

ClientSampleId :

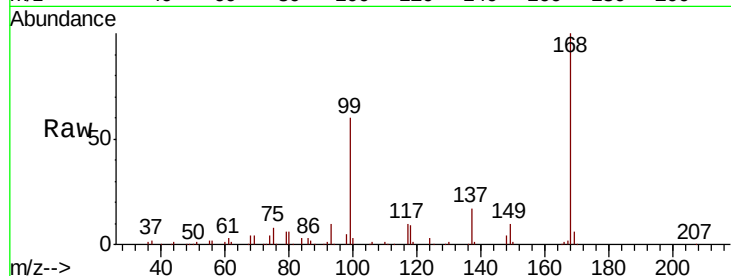
20180657-AMENDED-COMP-D

Tot Ion:168 Resp: 413276

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

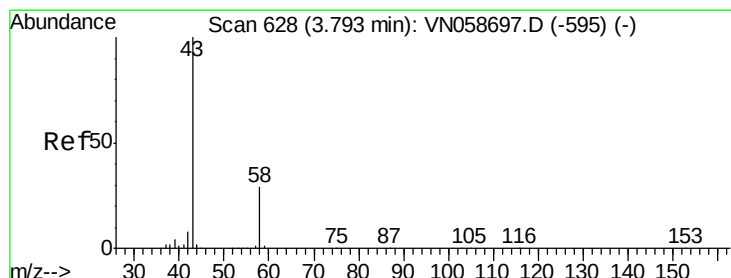
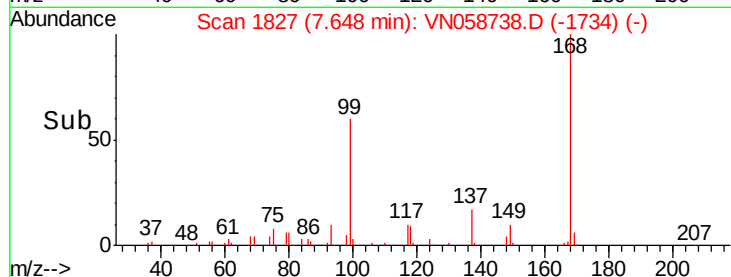
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 16.417 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058738.D

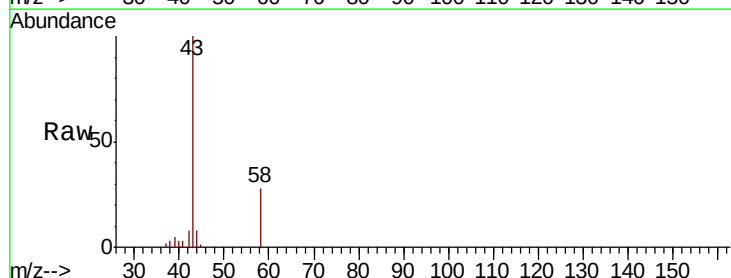
Acq: 12 Oct 2019 5:34

Tgt Ion: 43 Resp: 39324

Ion Ratio Lower Upper

43 100

58 27.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-595) (-)

3.80

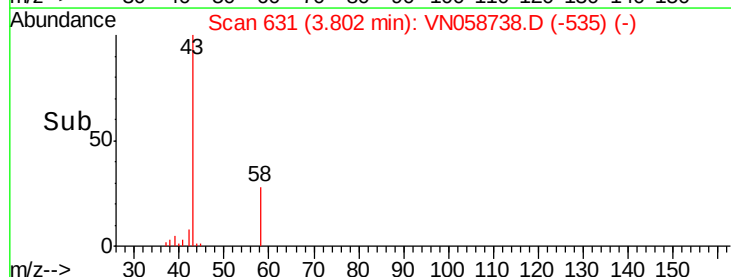
15000

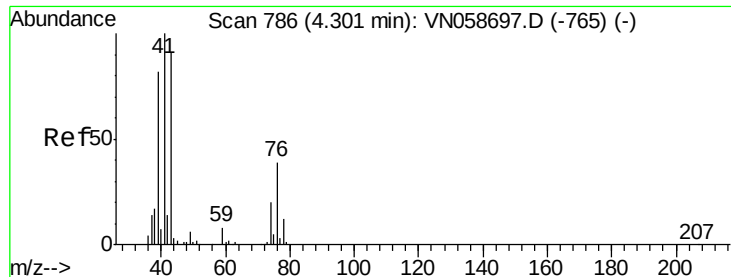
10000

5000

0

Time-->

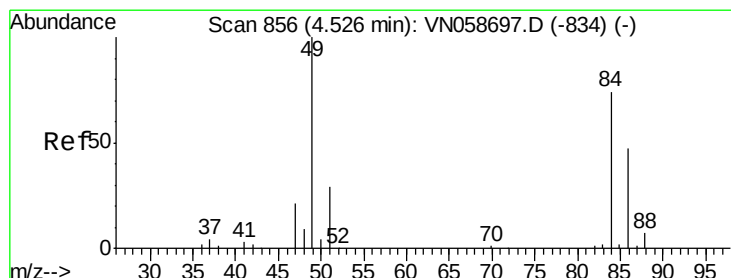
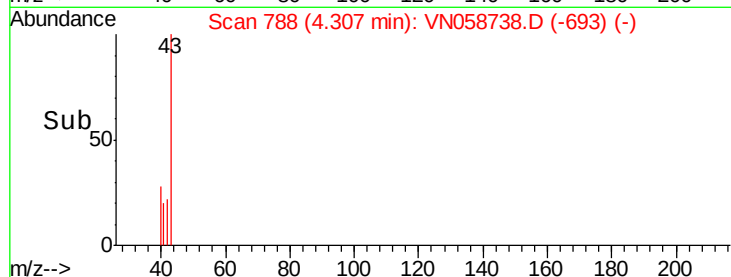
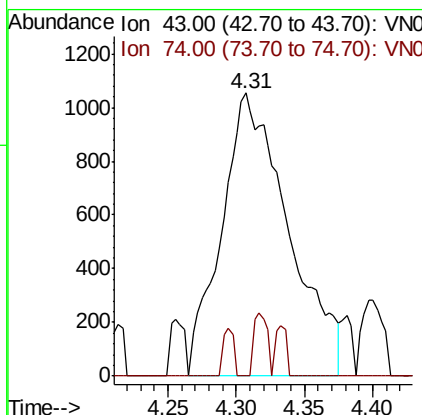
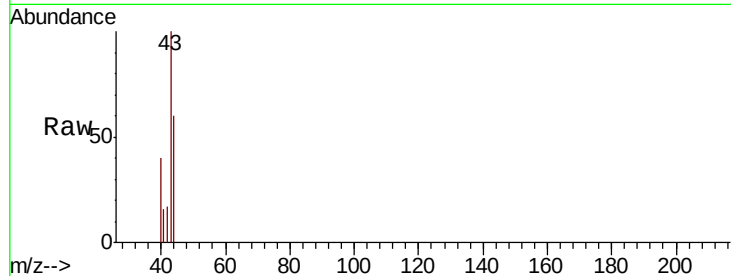




#18
Methvl Acetate
Concen: 0.591 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

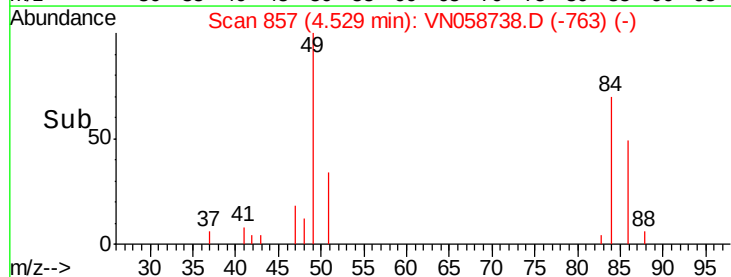
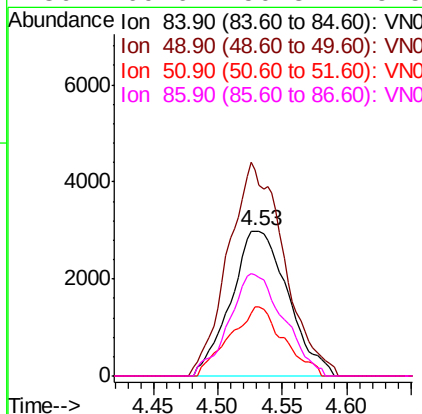
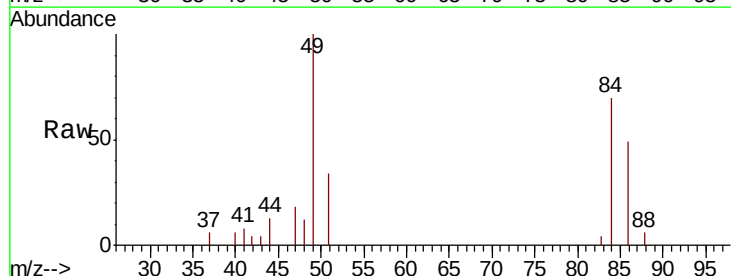
Instrument :
MSVOA_N
ClientSampleId :
20180657-AMENDED-COMP-D

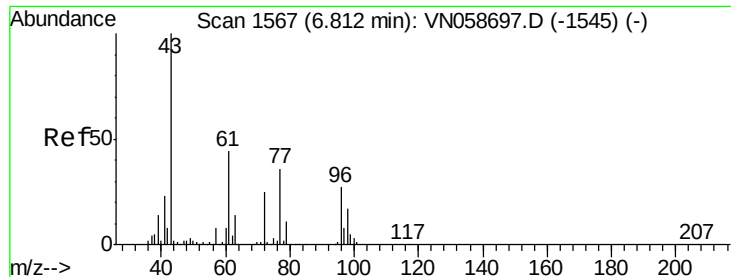
Tot Ion: 43 Resp: 3593
Ion Ratio Lower Upper
43 100
74 4.5 17.2 25.8#



#20
Methylene Chloride
Concen: 1.834 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

Tgt Ion: 84 Resp: 9180
Ion Ratio Lower Upper
84 100
49 142.1 107.6 161.4
51 47.9 31.4 47.0#
86 69.6 50.3 75.5





#25

2-Butanone

Concen: 0.968 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

Instrument :

MSVOA_N

ClientSampleId :

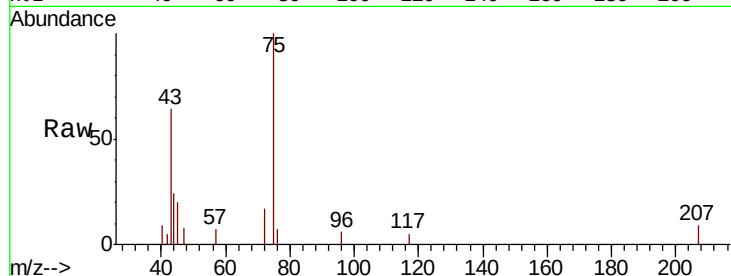
20180657-AMENDED-COMP-D

Tot Ion: 43 Resp: 3351

Ion Ratio Lower Upper

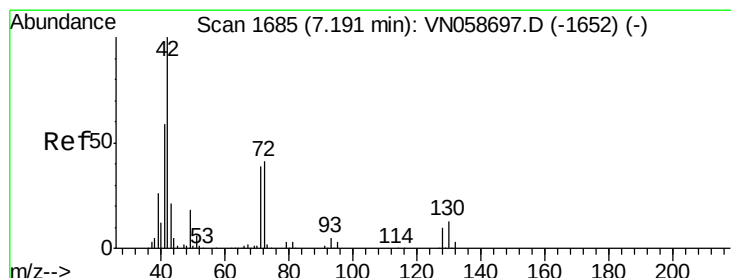
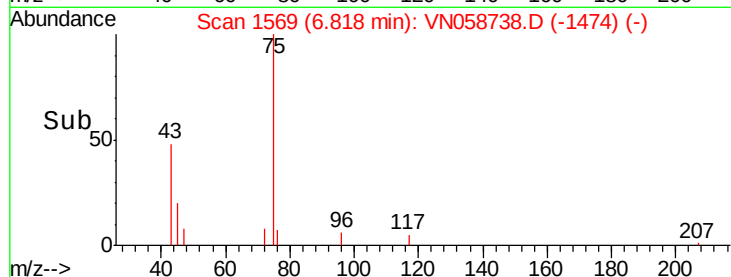
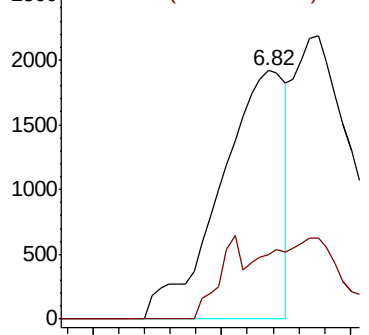
43 100

72 26.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

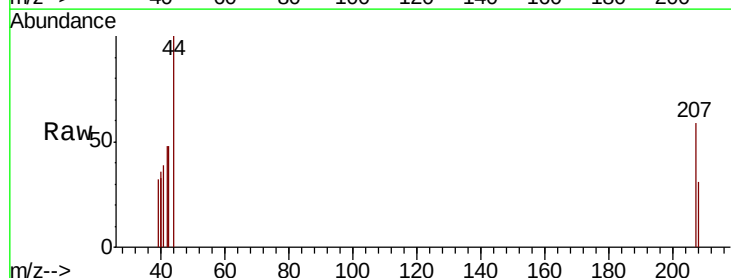
Tgt Ion: 42 Resp: 768

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

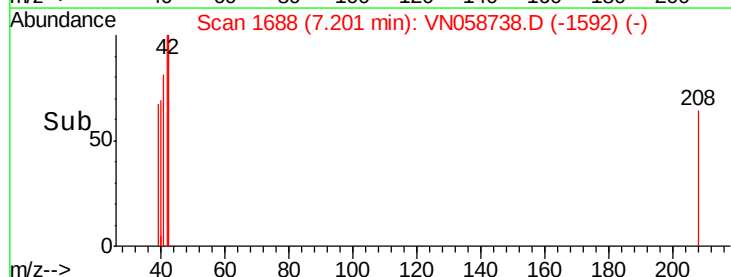
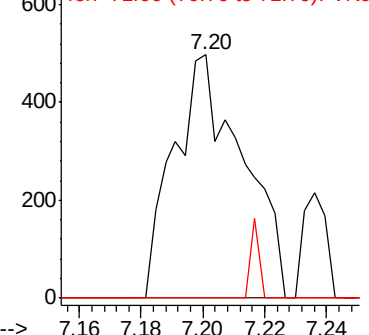
71 4.2 31.1 46.7#

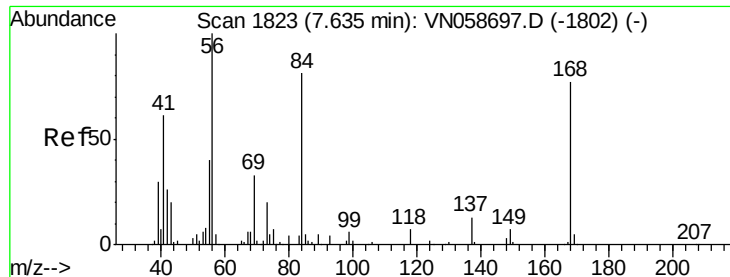


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

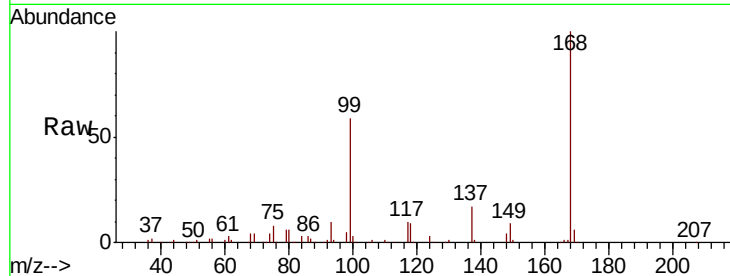




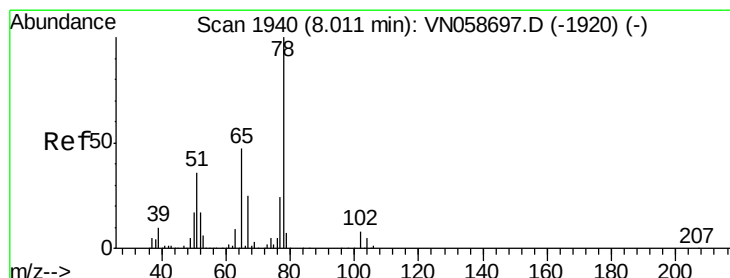
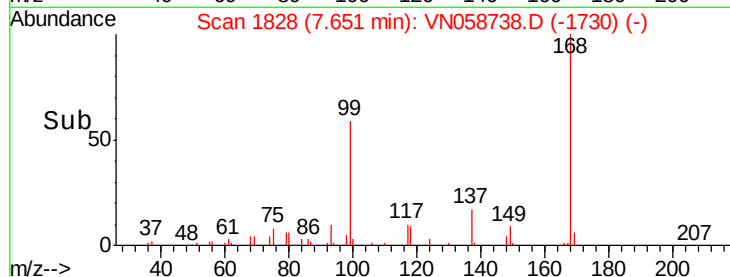
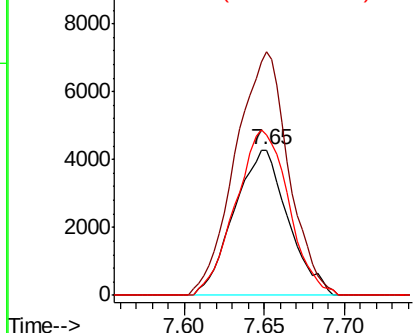
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

Instrument :
MSVOA_N
ClientSampleId :
20180657-AMENDED-COMP-D

Tot Ion: 56 Resp: 9901
Ion Ratio Lower Upper
56 100
69 167.5 26.2 39.4#
84 110.1 64.9 97.3#

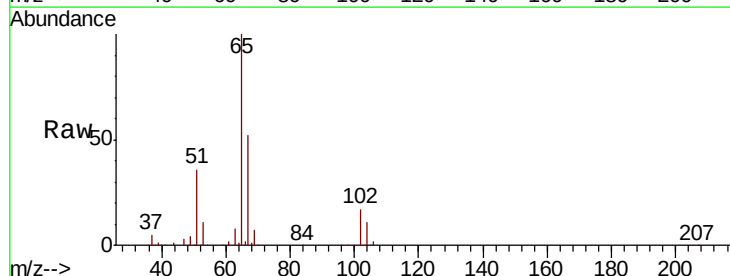


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

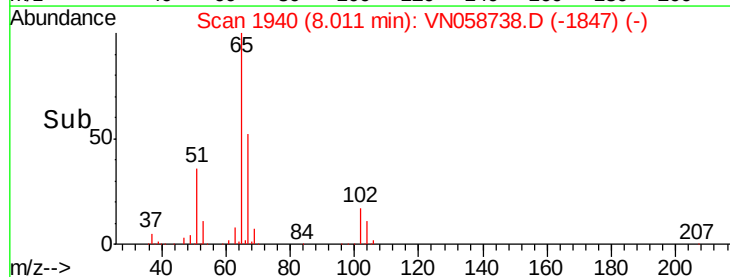
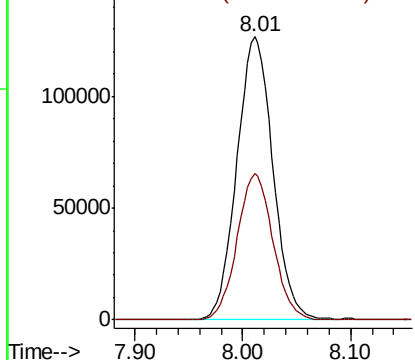


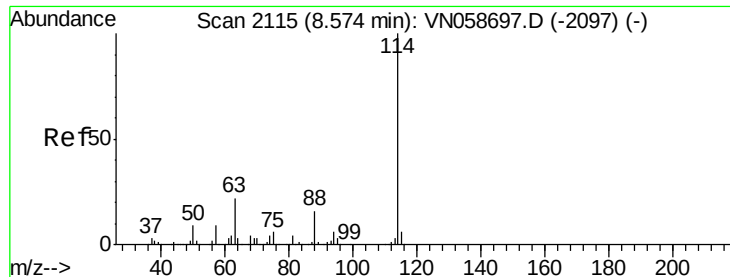
#33
1,2-Dichloroethane-d4
Concen: 50.946 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

Tgt Ion: 65 Resp: 294766
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

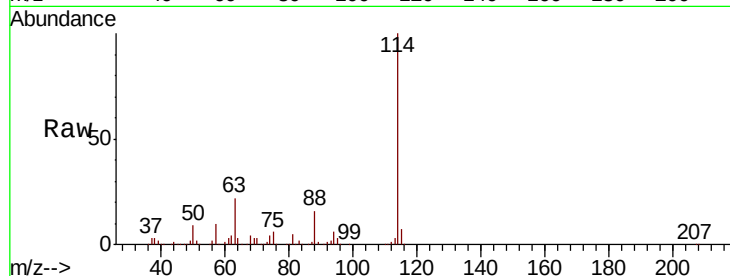




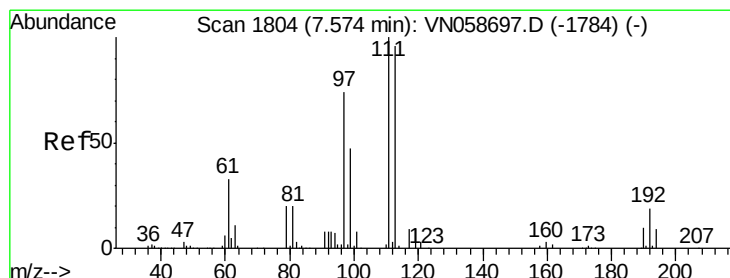
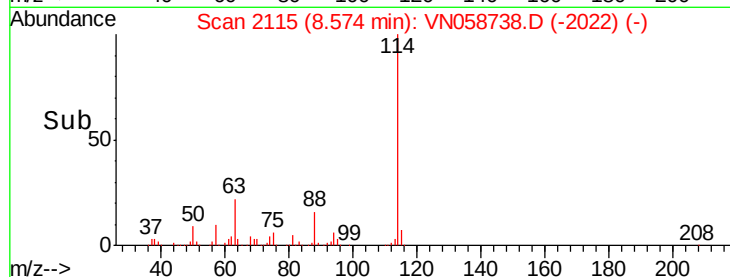
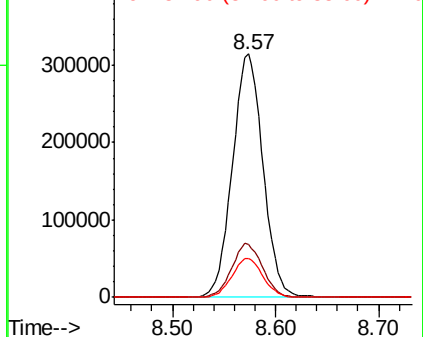
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058738.D
 Acq: 12 Oct 2019 5:34

Instrument :
 MSVOA_N
 ClientSampleId :
 20180657-AMENDED-COMP-D

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	15.7	0.0	32.0

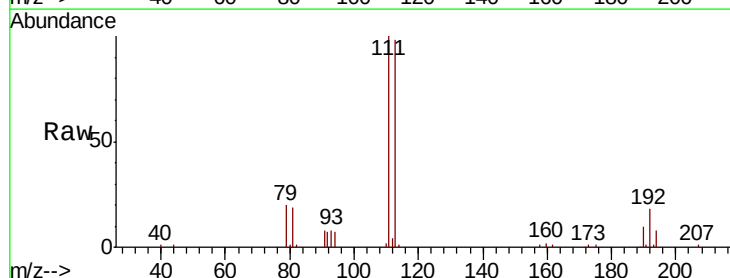


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

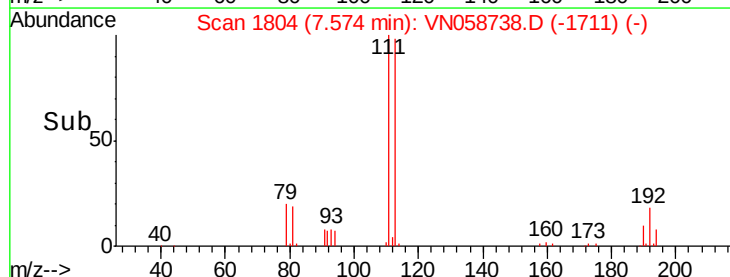
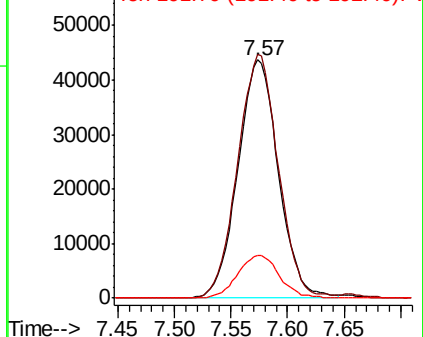


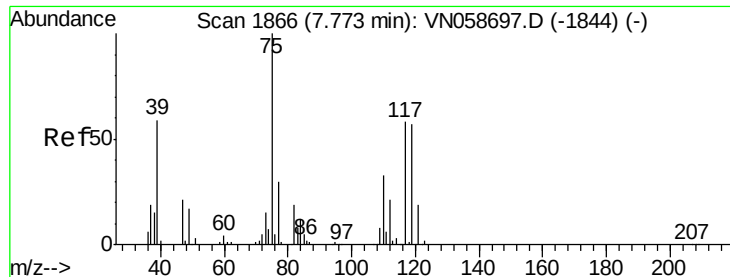
#35
 Dibromofluoromethane
 Concen: 27.136 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058738.D
 Acq: 12 Oct 2019 5:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.3	123.5
192	18.4	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: 5.155 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

Instrument :

MSVOA_N

ClientSampleId :

20180657-AMENDED-COMP-D

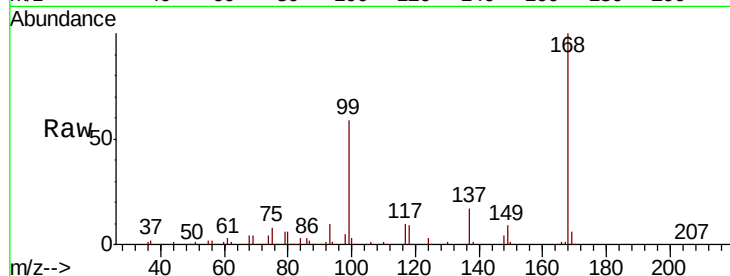
Tot Ion: 75 Resp: 33844

Ion Ratio Lower Upper

75 100

110 8.4 16.6 49.8#

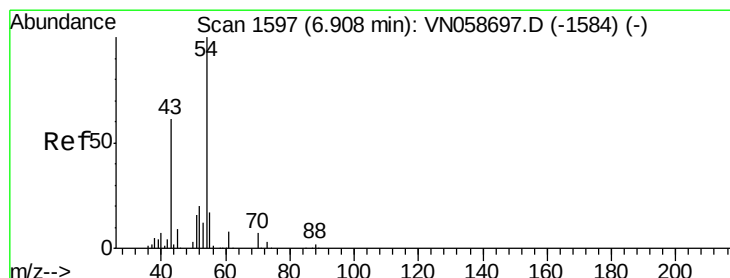
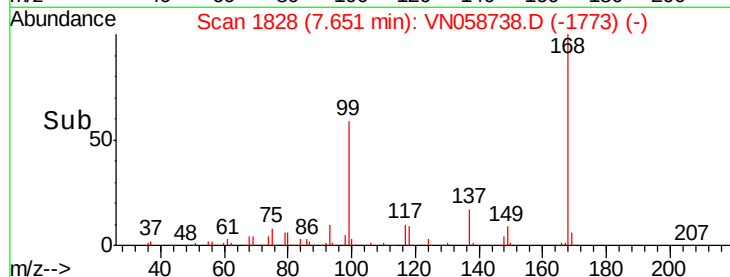
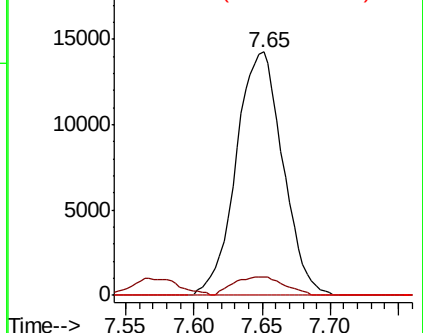
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058738.D (-1773) (-)

Ion 109.90 (109.60 to 110.60): VN058738.D (-1773) (-)

Ion 76.90 (76.60 to 77.60): VN058738.D (-1773) (-)



#37

Ethyl Acetate

Concen: 0.505 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.09 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

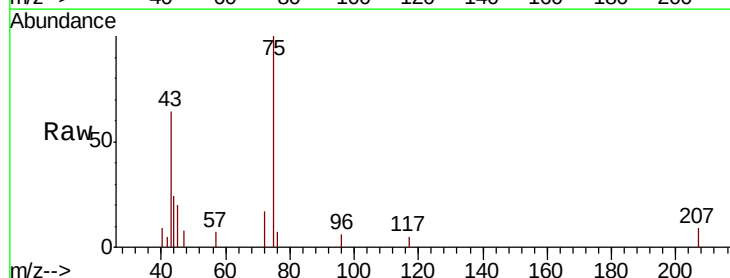
Tgt Ion: 43 Resp: 3351

Ion Ratio Lower Upper

43 100

61 0.9 11.3 16.9#

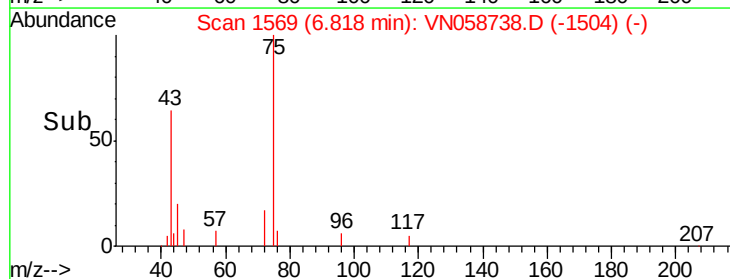
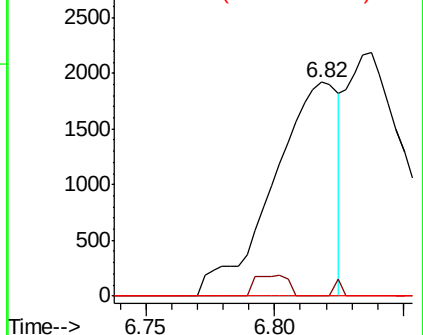
70 0.0 7.2 10.8#

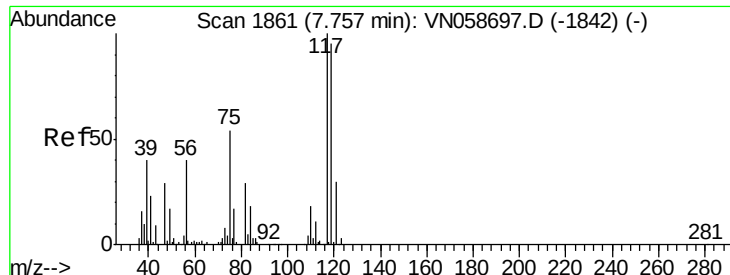


Abundance Ion 43.00 (42.70 to 43.70): VN058738.D (-1504) (-)

Ion 60.90 (60.60 to 61.60): VN058738.D (-1504) (-)

Ion 70.00 (69.70 to 70.70): VN058738.D (-1504) (-)

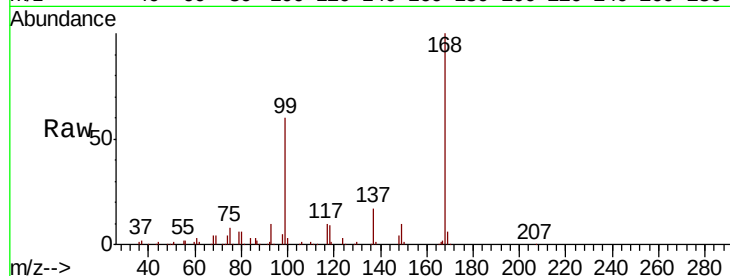




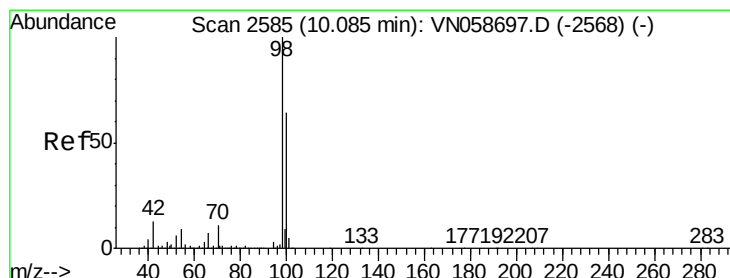
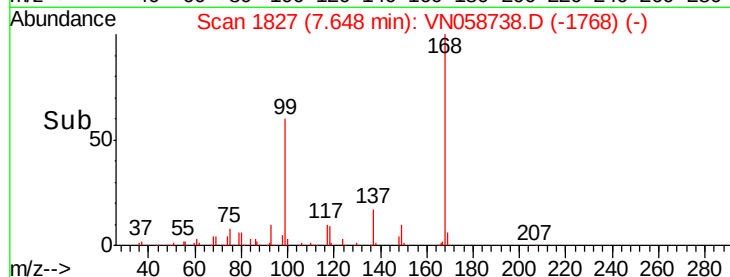
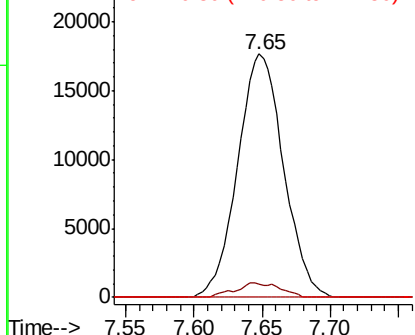
#38
Carbon Tetrachloride
Concen: 6.443 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

Instrument :
MSVOA_N
ClientSampleId :
20180657-AMENDED-COMP-D

Tot Ion:117 Resp: 41226
Ion Ratio Lower Upper
117 100
119 5.6 75.7 113.5#
121 0.0 23.9 35.9#

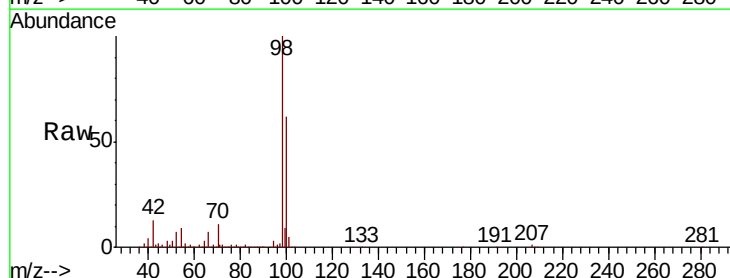


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

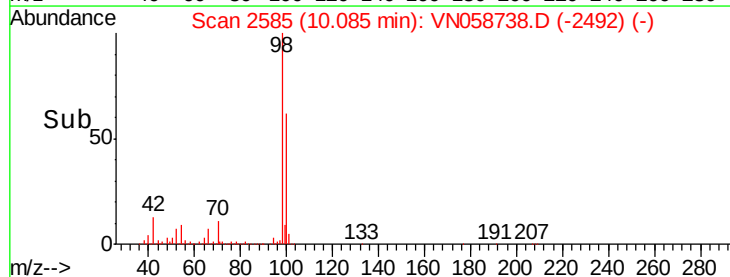
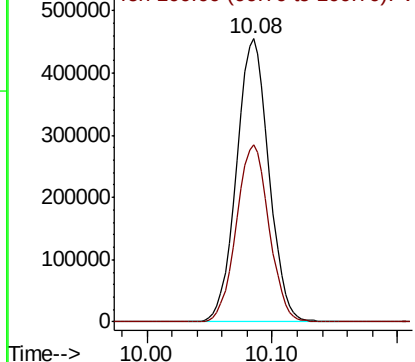


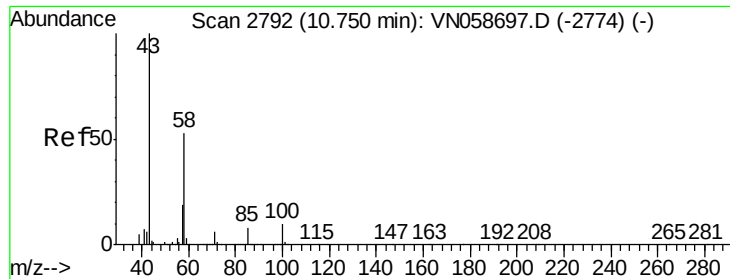
#50
Toluene-d8
Concen: 50.850 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

Tgt Ion: 98 Resp: 815611
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#59

2-Hexanone

Concen: 0.414 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

Instrument :

MSVOA_N

ClientSampleId :

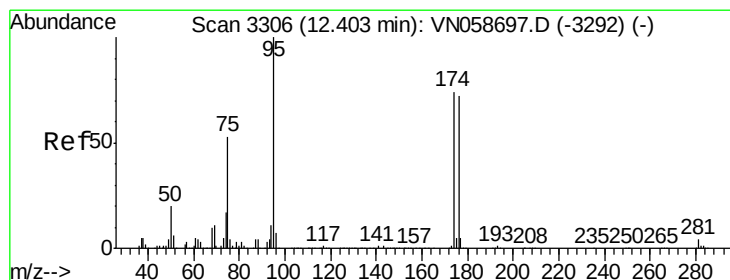
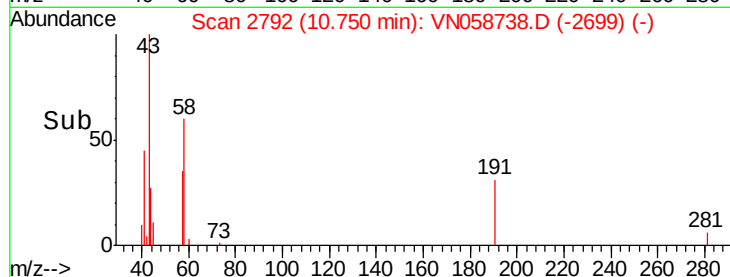
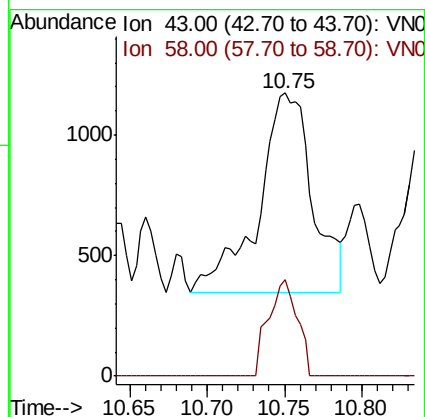
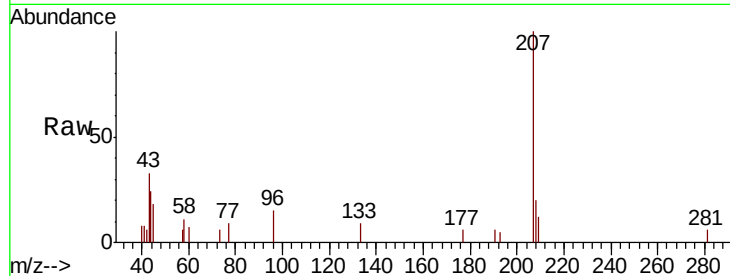
20180657-AMENDED-COMP-D

Tot Ion: 43 Resp: 2033

Ion Ratio Lower Upper

43 100

58 25.5 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 44.033 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

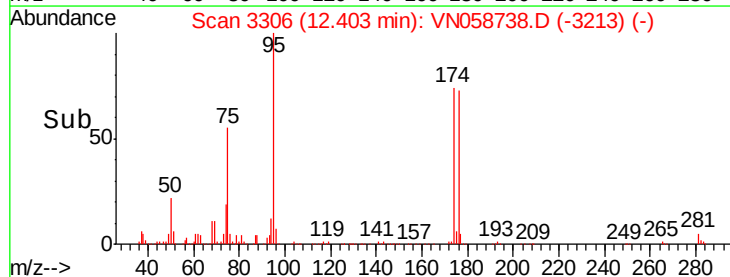
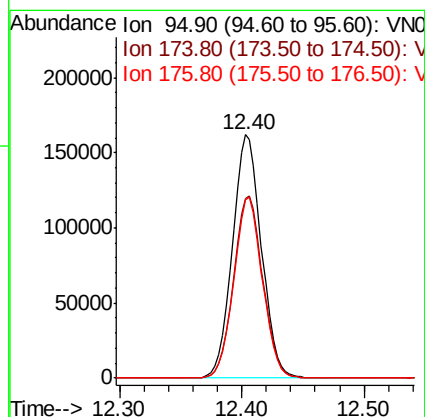
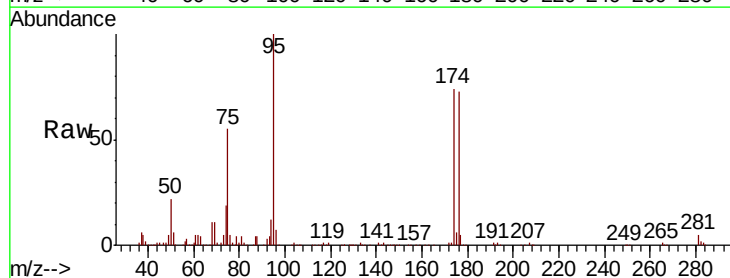
Tgt Ion: 95 Resp: 267344

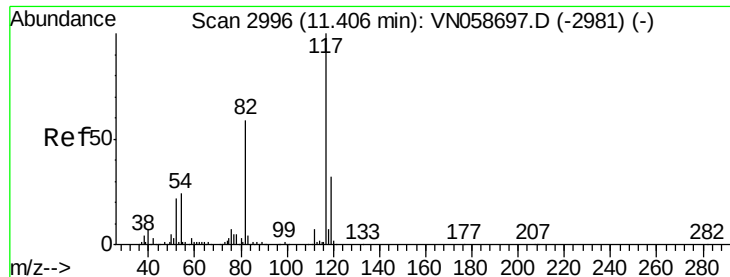
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 73.5 0.0 146.8

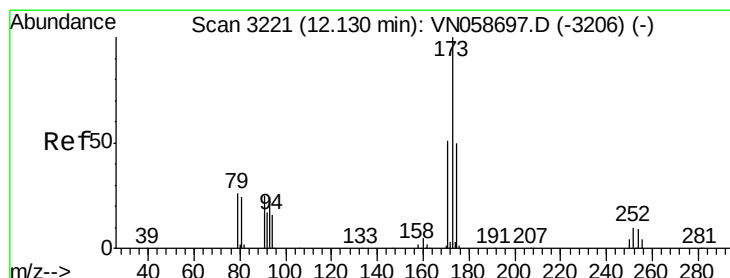
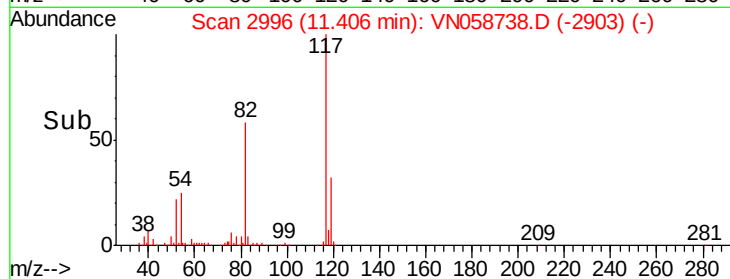
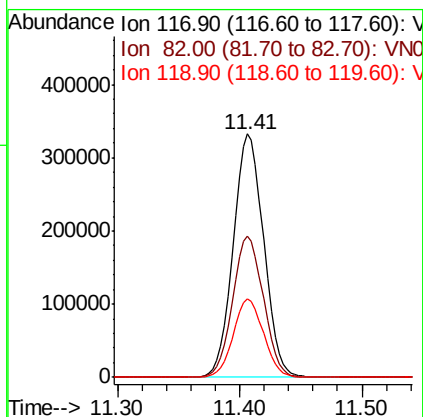
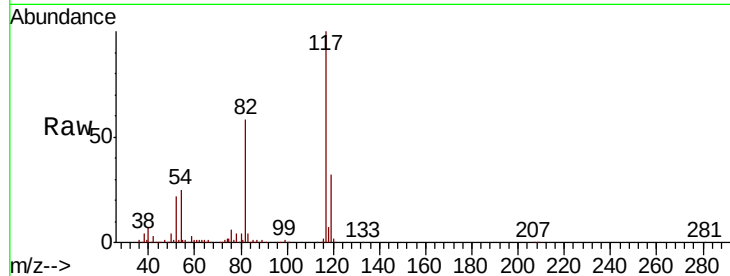




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

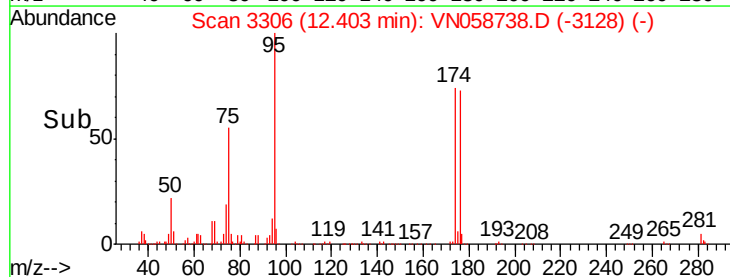
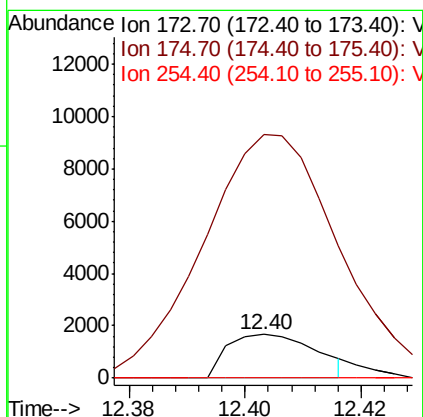
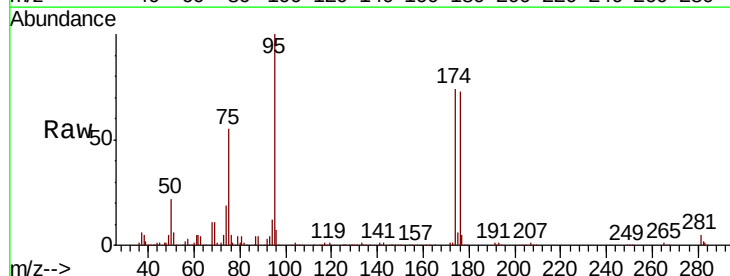
Instrument :
MSVOA_N
ClientSampleId :
20180657-AMENDED-COMP-D

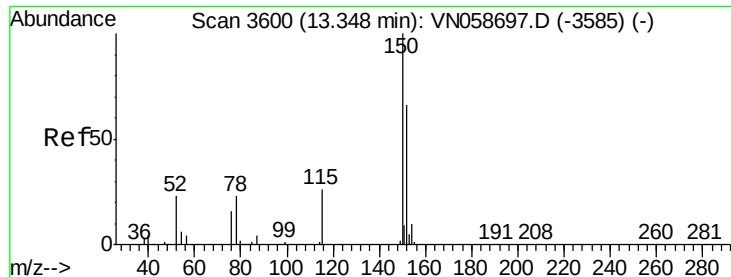
Tot Ion:117 Resp: 575555
Ion Ratio Lower Upper
117 100
82 58.0 47.0 70.4
119 32.2 25.4 38.2



#71
Bromoform
Concen: 0.555 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058738.D
Acq: 12 Oct 2019 5:34

Tgt Ion:173 Resp: 1757
Ion Ratio Lower Upper
173 100
175 762.9 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

Instrument :

MSVOA_N

ClientSampleId :

20180657-AMENDED-COMP-D

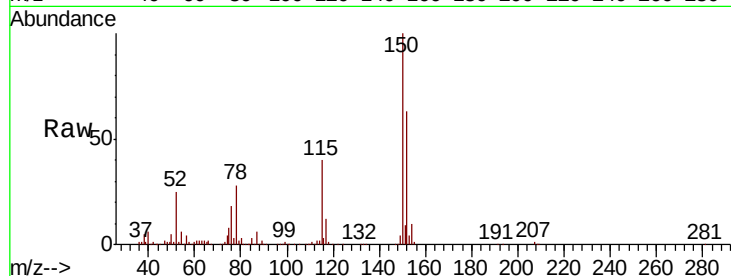
Tot Ion:152 Resp: 232497

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.2

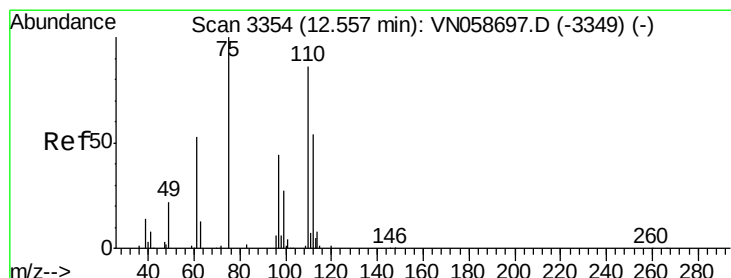
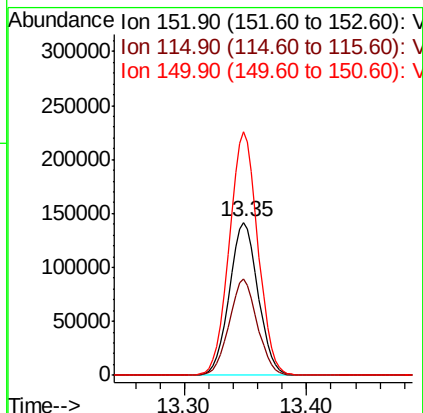
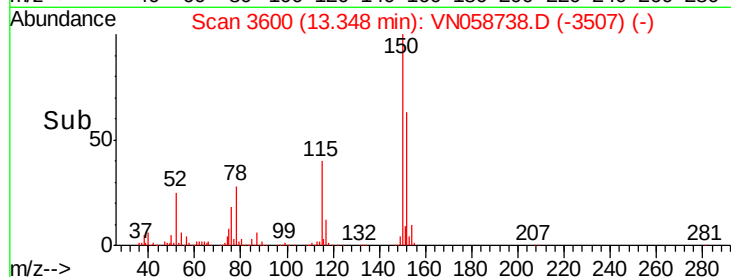
150 158.3 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 28.138 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058738.D

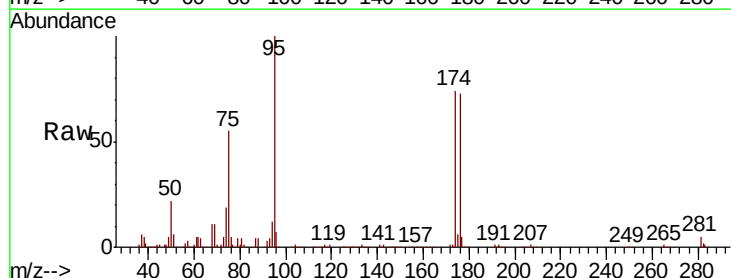
Acq: 12 Oct 2019 5:34

Tgt Ion: 75 Resp: 143518

Ion Ratio Lower Upper

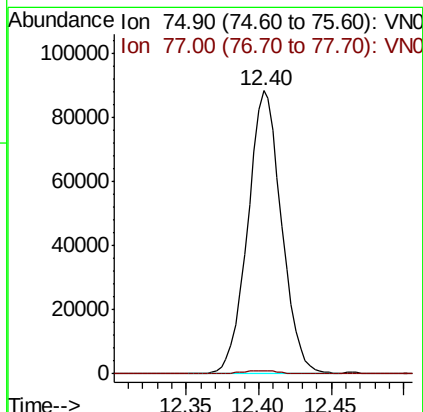
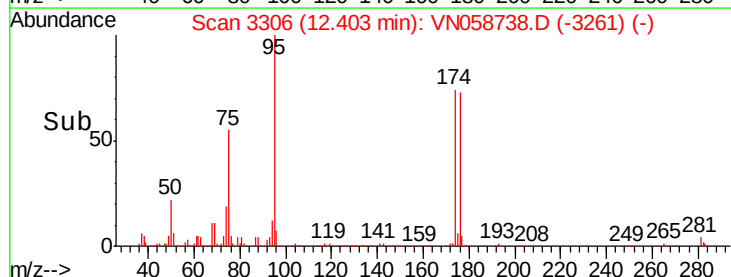
75 100

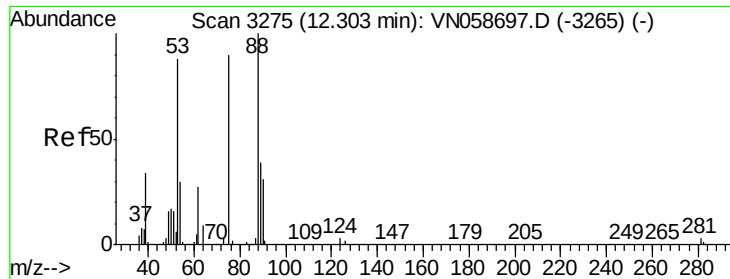
77 1.3 0.0 0.0#



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: 75.374 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

Instrument :

MSVOA_N

ClientSampleId :

20180657-AMENDED-COMP-D

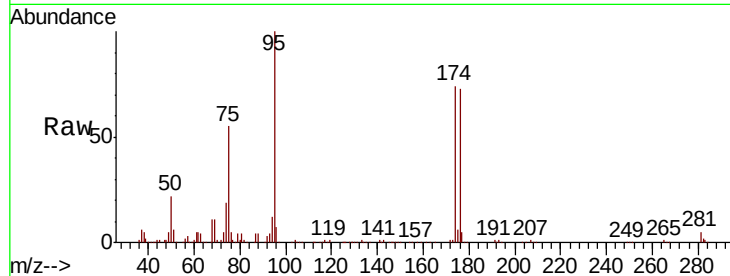
Tot Ion: 75 Resp: 143518

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

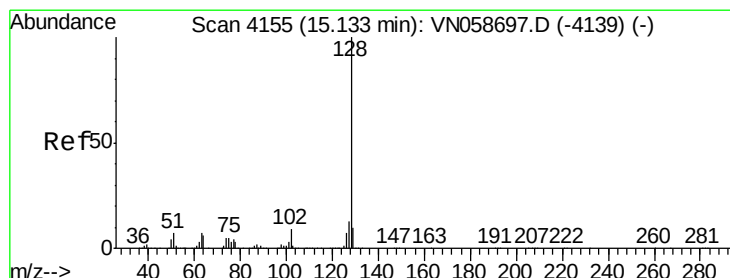
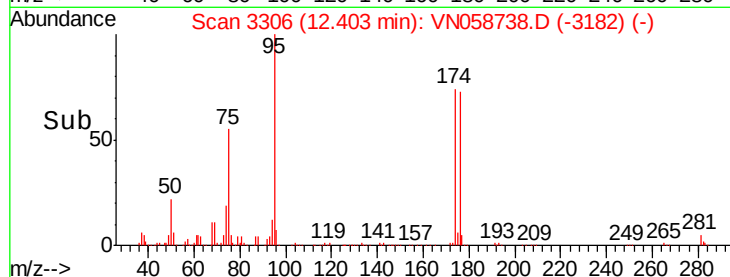
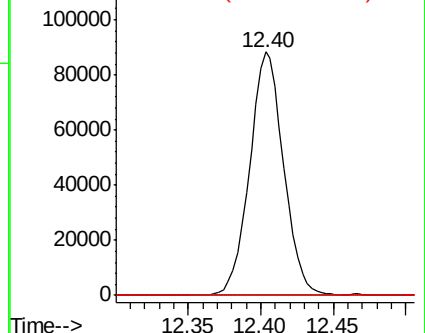
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN058738.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN058738.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN058738.D (-3306) (-)



#95

Naphthalene

Concen: 0.563 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058738.D

Acq: 12 Oct 2019 5:34

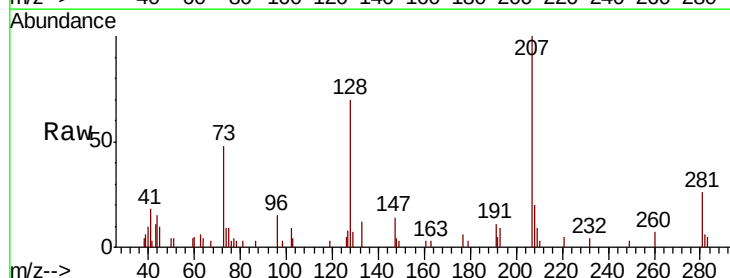
Tgt Ion: 128 Resp: 7269

Ion Ratio Lower Upper

128 100

127 9.9 10.2 15.4#

129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): VN058738.D (-4155) (-)

Ion 127.00 (126.70 to 127.70): VN058738.D (-4155) (-)

Ion 129.00 (128.70 to 129.70): VN058738.D (-4155) (-)

