

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062338.D
 Acq On : 2 Jul 2020 17:17
 Operator : JC/MD
 Sample : VN0702WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 00:33:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	126813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	252040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	236738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	104161	58.53	ug/l	0.00
Spiked Amount			Recovery	=	117.06%	
35) Dibromofluoromethane	7.55	113	82110	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.06	98	322896	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.38	95	99639	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

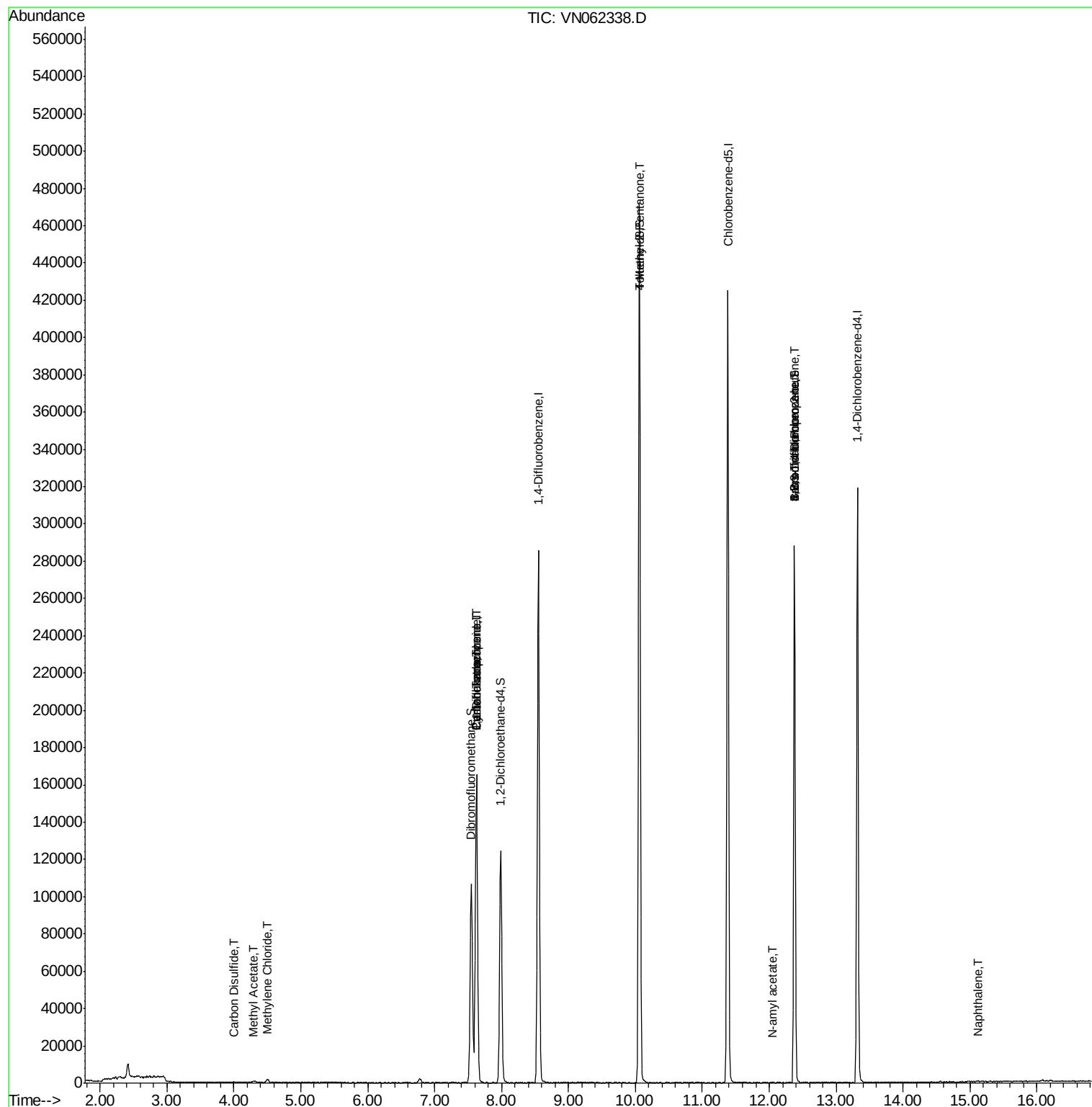
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	126	Below Cal	#	41
16) Acetone	3.78	43	123	Below Cal	#	40
17) Carbon Disulfide	4.00	76	861	0.257	ug/l #	75
18) Methyl Acetate	4.28	43	590	0.417	ug/l #	56
20) Methylene Chloride	4.50	84	782	0.263	ug/l #	75
31) Cyclohexane	7.63	56	3286	1.336	ug/l #	29
36) 1,1-Dichloropropene	7.63	75	11425	4.510	ug/l #	46
38) Carbon Tetrachloride	7.63	117	13371	5.598	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	1439	0.720	ug/l #	1
71) Bromoform	12.38	173	998	0.781	ug/l #	1
74) N-amyl acetate	12.05	43	29	3.355	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	52513	27.019	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52513	78.905	ug/l #	13
95) Naphthalene	15.11	128	910	4.208	ug/l #	69

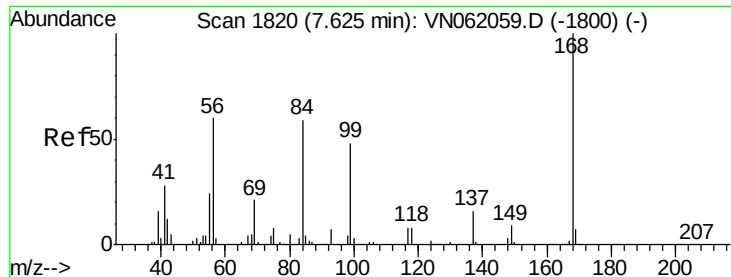
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

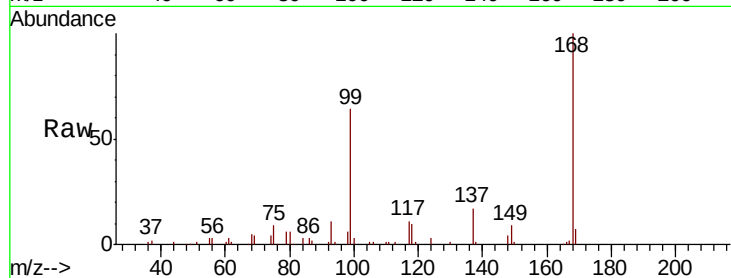
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 126813

Ion Ratio Lower Upper

168 100

99 63.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

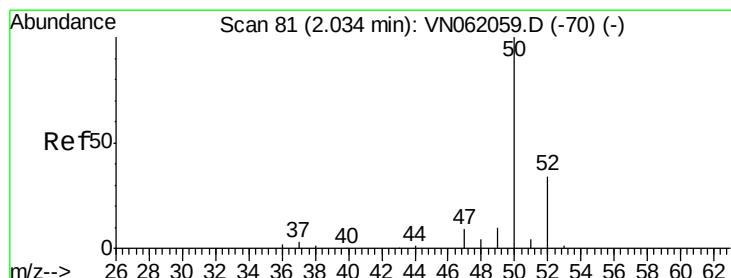
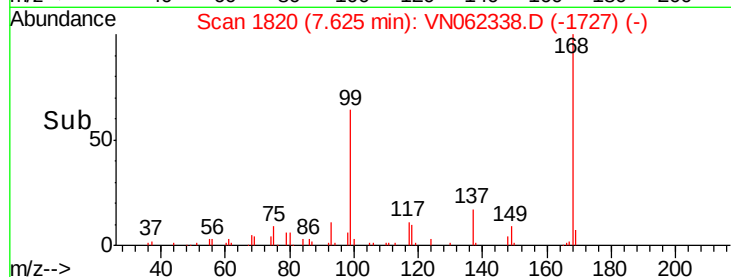
0

7.50

7.60

7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN062338.D

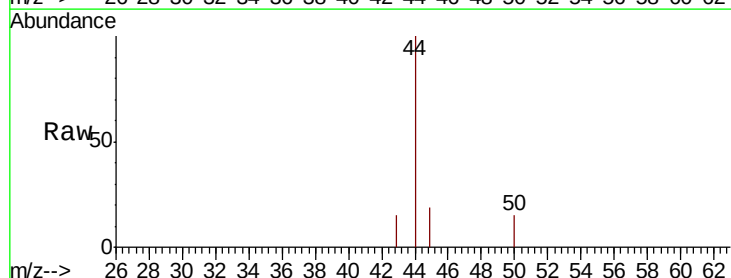
Acq: 2 Jul 2020 17:17

Tgt Ion: 50 Resp: 126

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

200

150

100

50

0

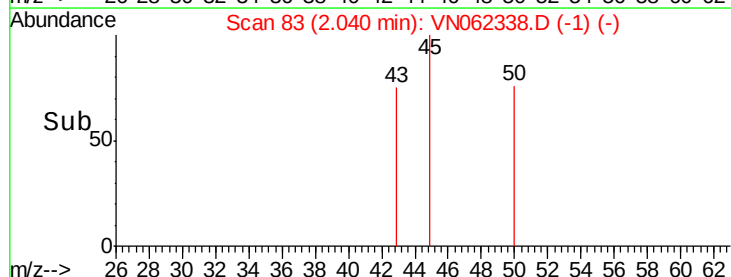
2.02

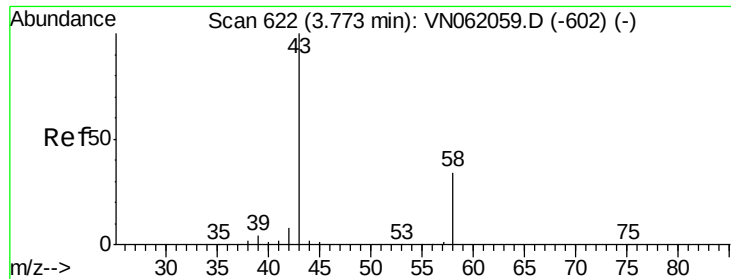
2.03

2.04

2.05

Time-->

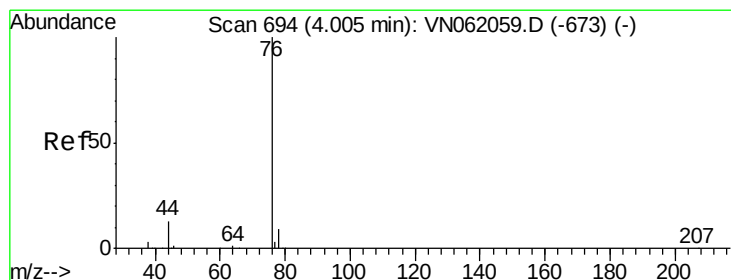
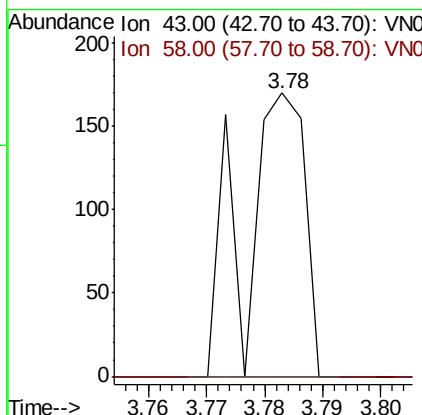
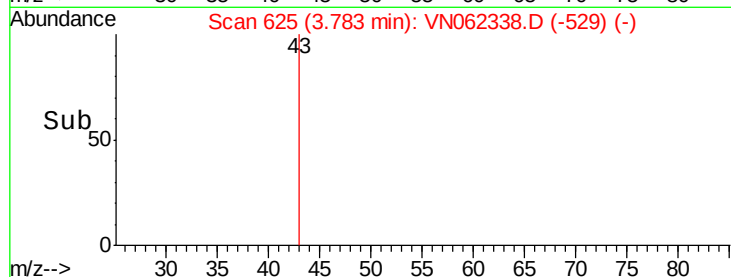
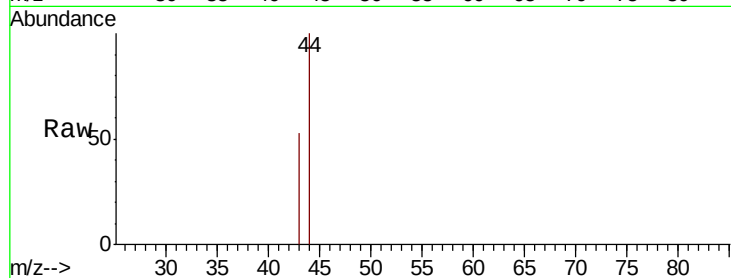




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

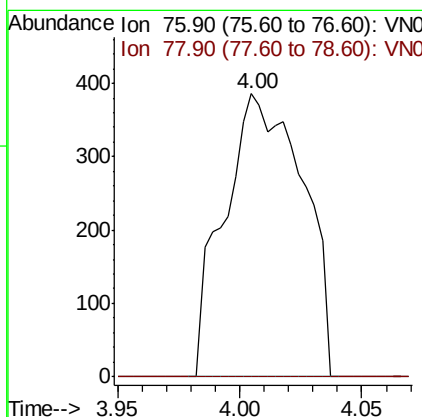
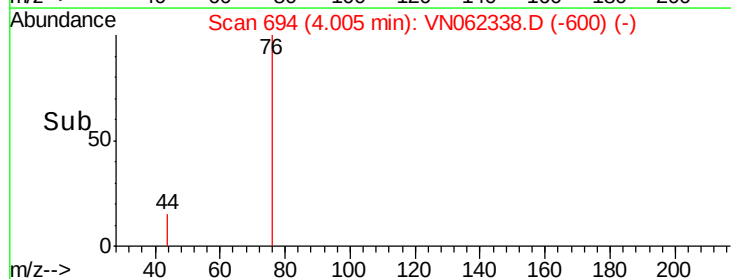
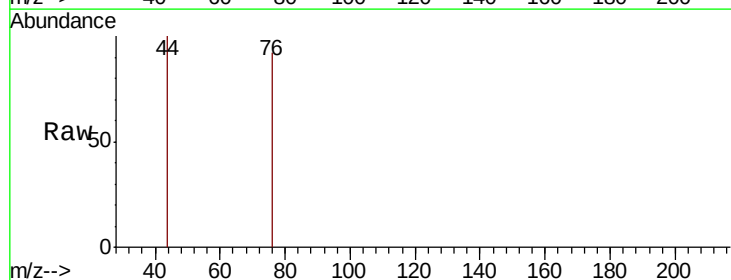
Instrument :
MSVOA_N
ClientSampleId :

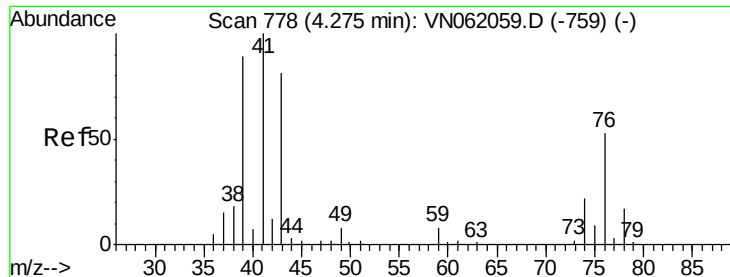
Tot Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.257 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

Tgt Ion: 76 Resp: 861
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

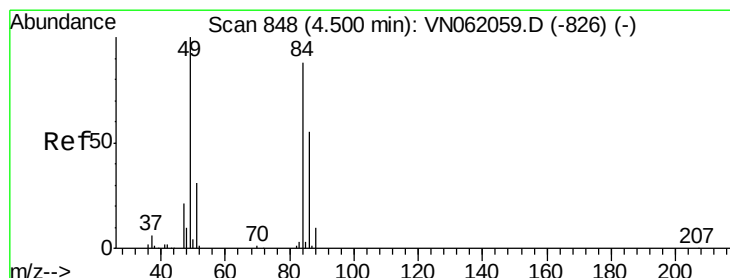
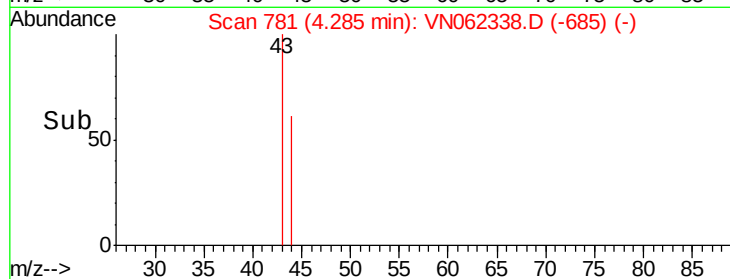
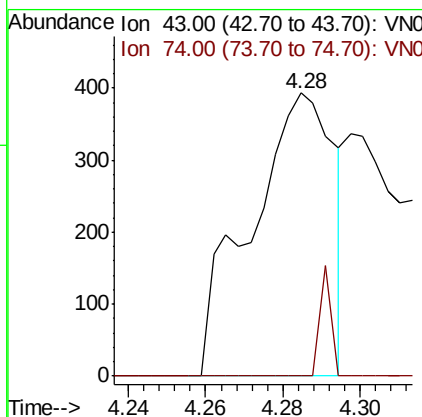
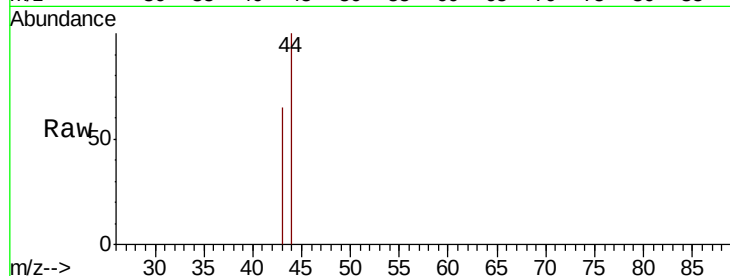




#18
Methyl Acetate
Concen: 0.417 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

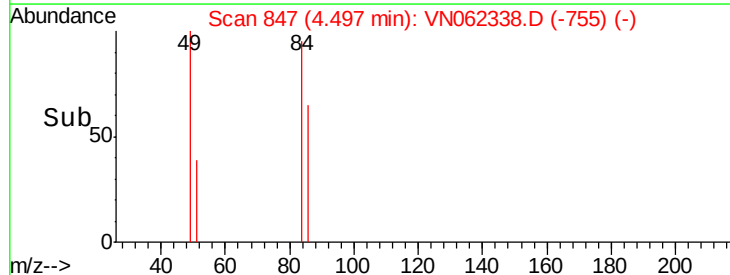
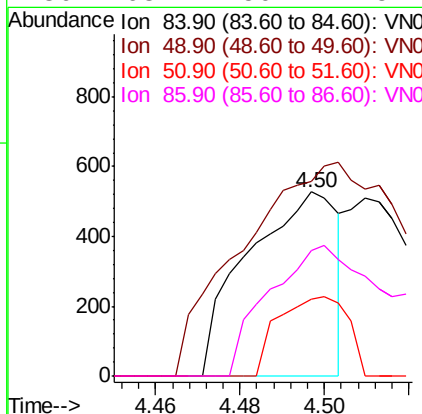
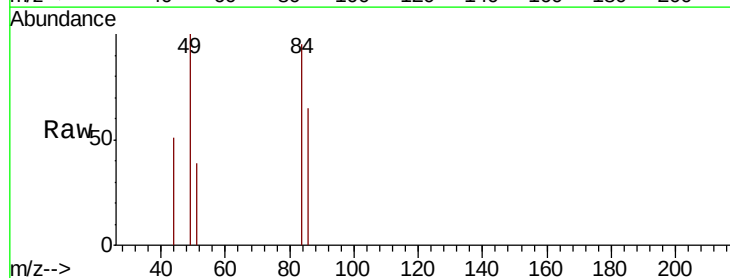
Instrument :
MSVOA_N
ClientSampleId :

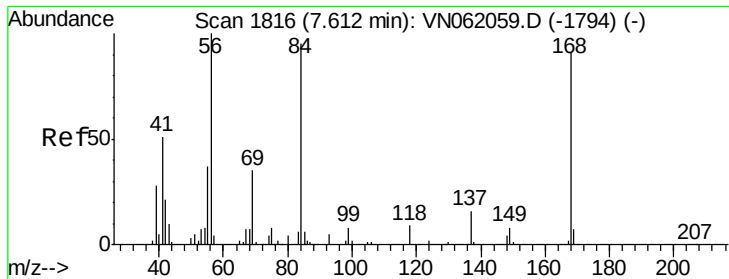
Tot Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
74 5.1 22.9 34.3#



#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

Tgt Ion: 84 Resp: 782
Ion Ratio Lower Upper
84 100
49 72.3 90.6 136.0#
51 41.7 27.8 41.8
86 68.4 50.1 75.1

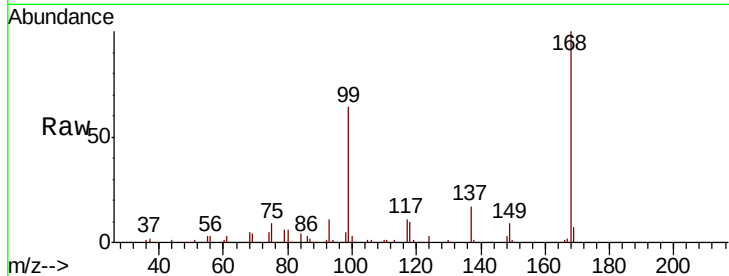




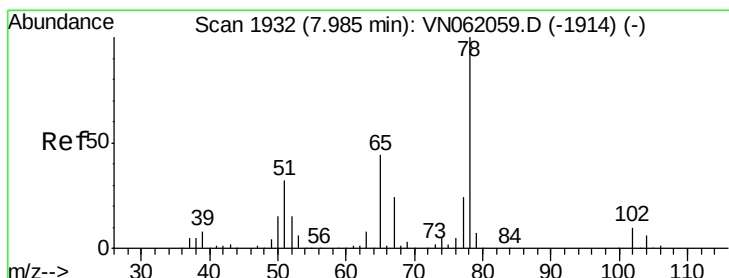
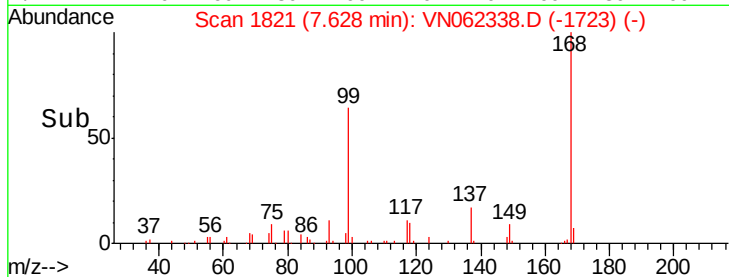
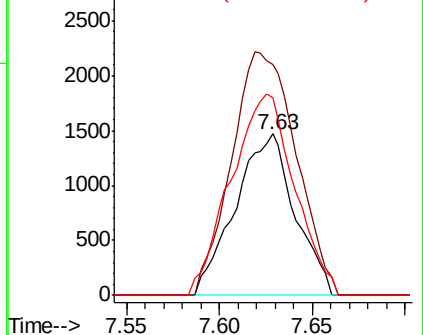
#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 143.2 28.0 42.0#
84 122.8 76.1 114.1#

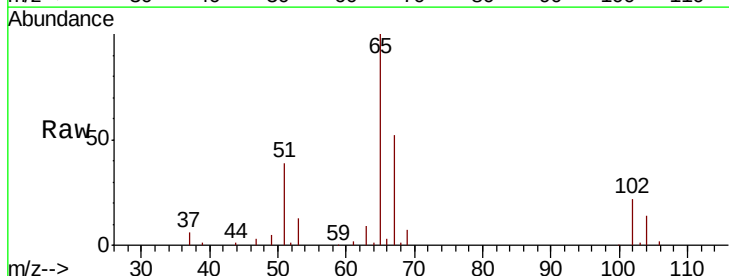


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

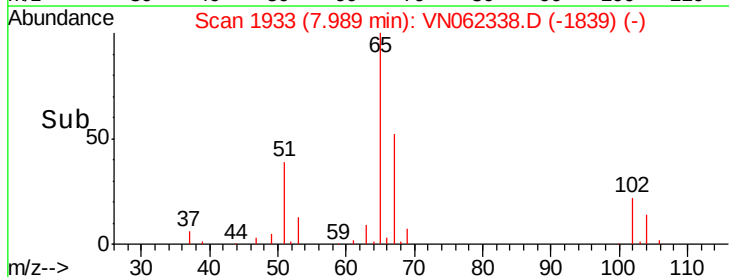
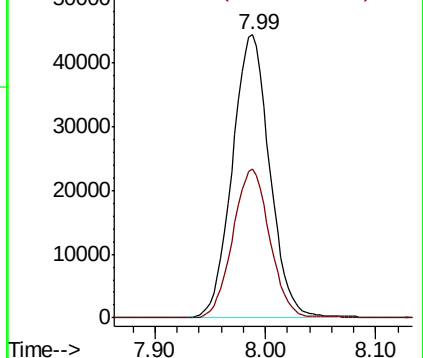


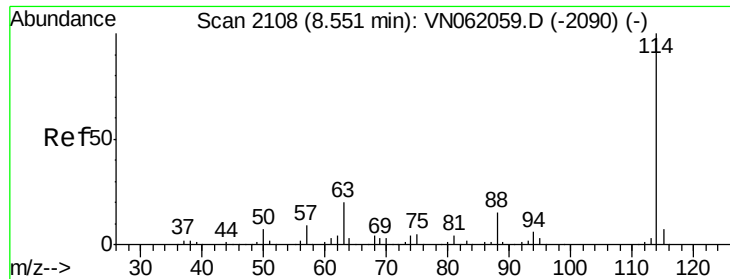
#33
1,2-Dichloroethane-d4
Concen: 58.530 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

Tgt Ion: 65 Resp: 104161
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.2



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: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

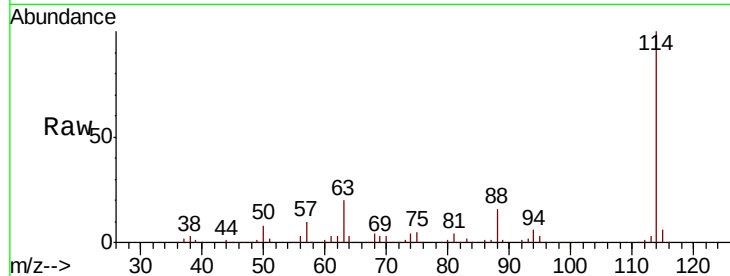
Tot Ion:114 Resp: 252040

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

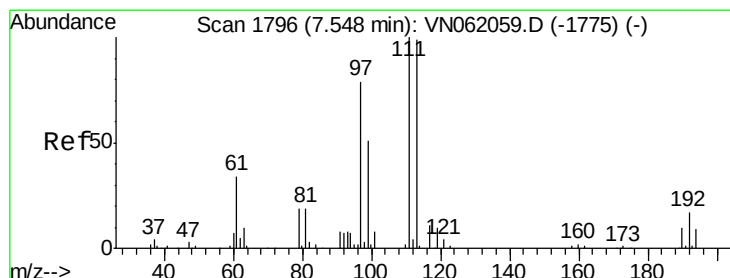
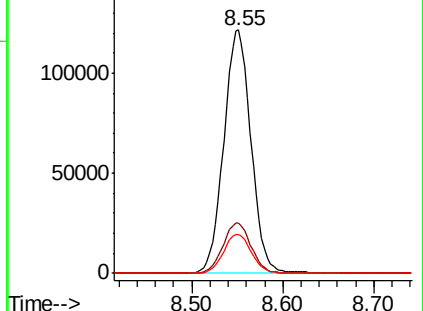
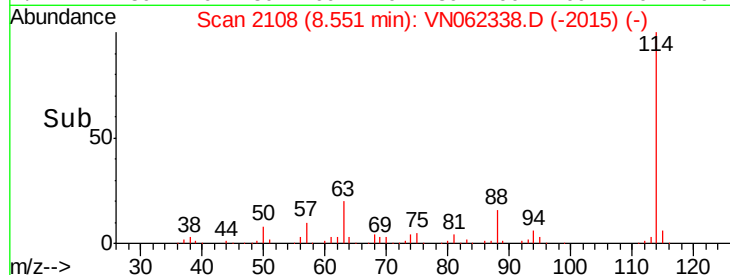
88 16.0 0.0 30.8



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: 50.781 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

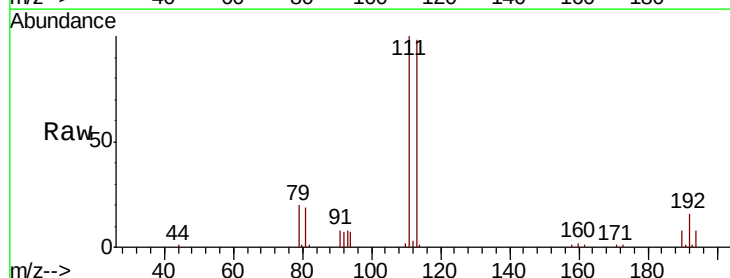
Tgt Ion:113 Resp: 82110

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

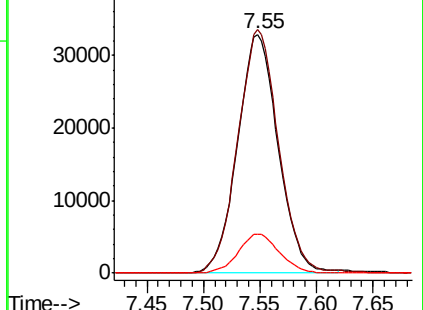
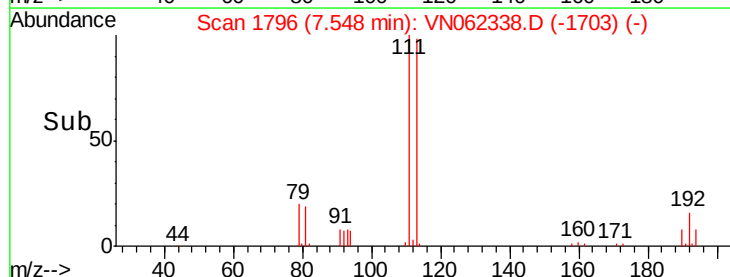
192 16.4 14.0 21.0

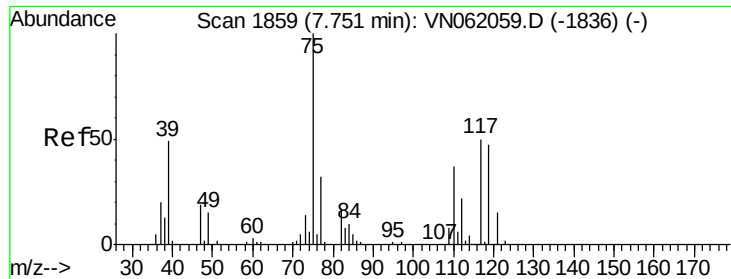


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

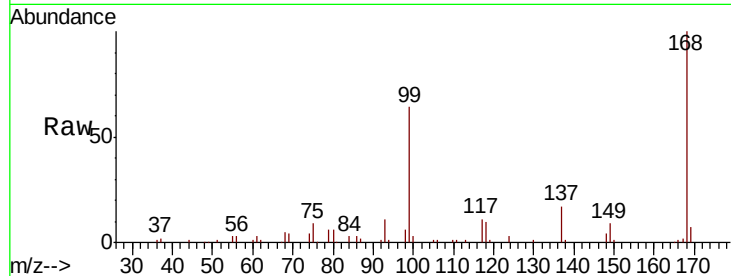




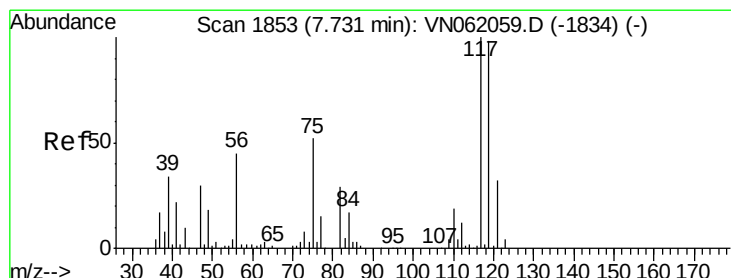
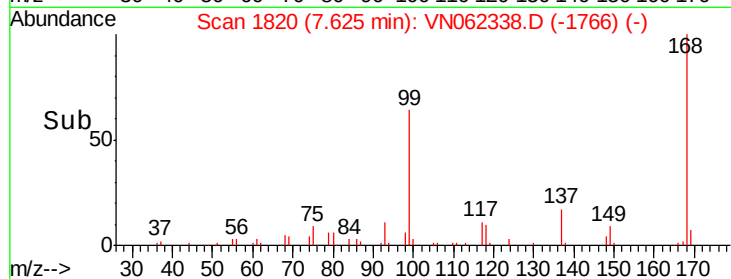
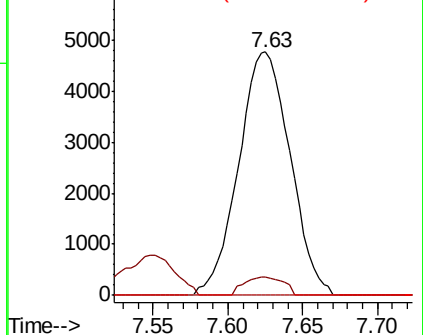
#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062338.D
 Acq: 2 Jul 2020 17:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	11425
Ion Ratio	Lower	Upper	
75	100		
110	5.8	17.9	53.8#
77	0.0	24.9	37.3#

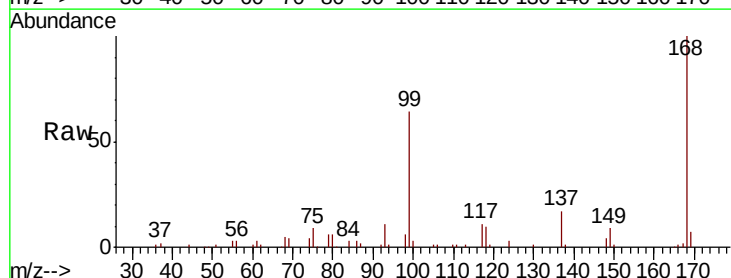


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

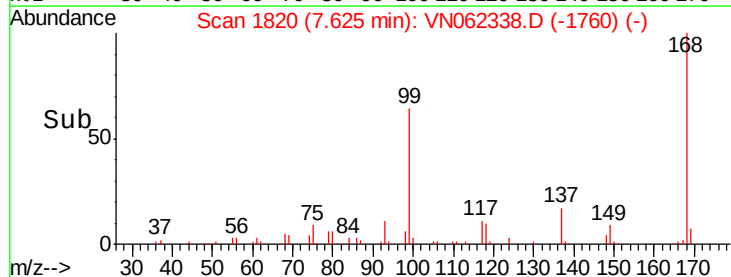
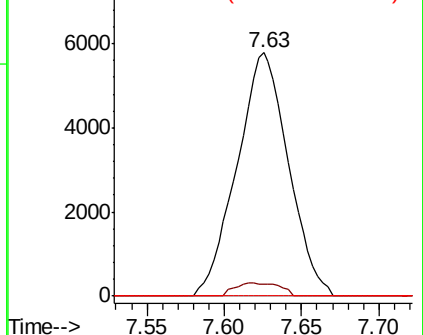


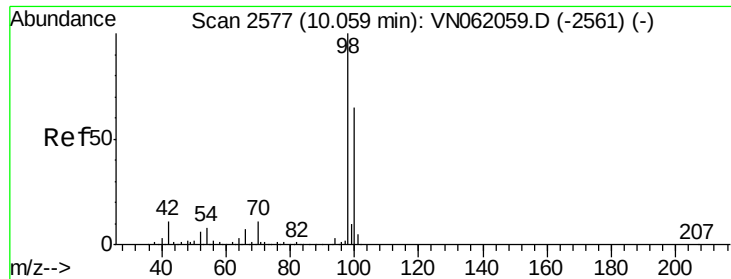
#38
 Carbon Tetrachloride
 Concen: 5.598 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062338.D
 Acq: 2 Jul 2020 17:17

Tgt Ion	117	Resp	13371
Ion Ratio	Lower	Upper	
117	100		
119	4.8	78.2	117.2#
121	0.0	25.8	38.6#



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: 49.957 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

Instrument :

MSVOA_N

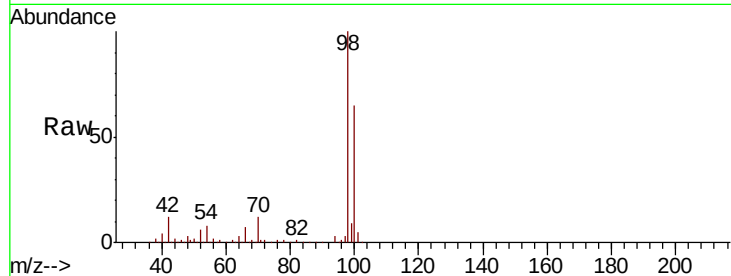
ClientSampleId :

Tot Ion: 98 Resp: 322896

Ion Ratio Lower Upper

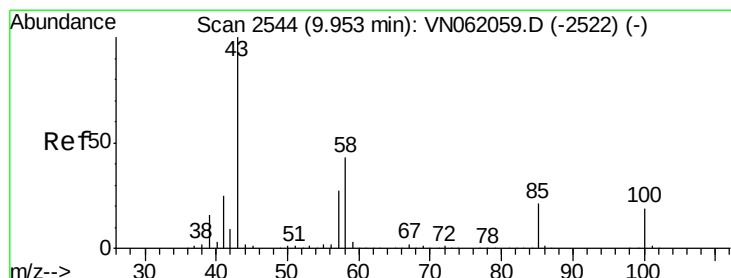
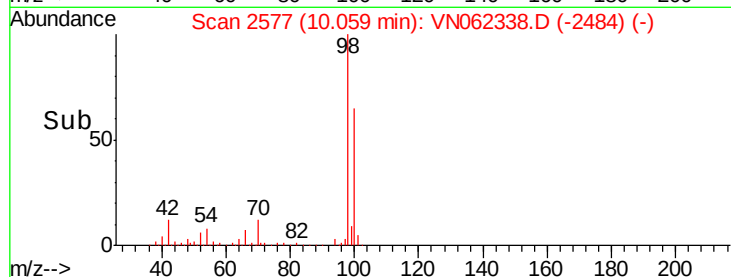
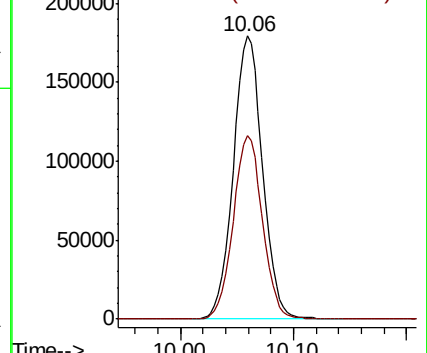
98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.720 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062338.D

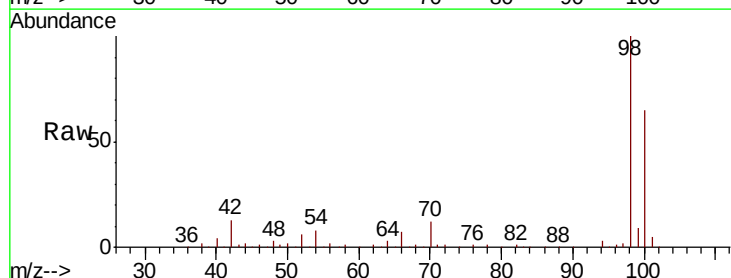
Acq: 2 Jul 2020 17:17

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

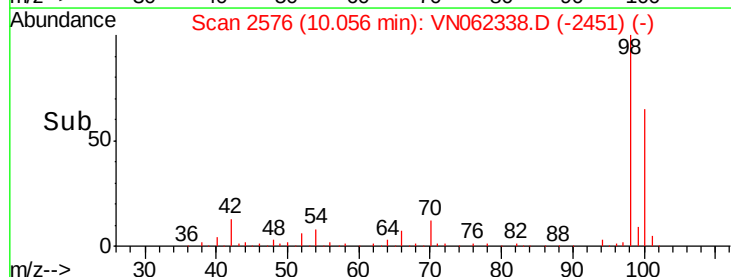
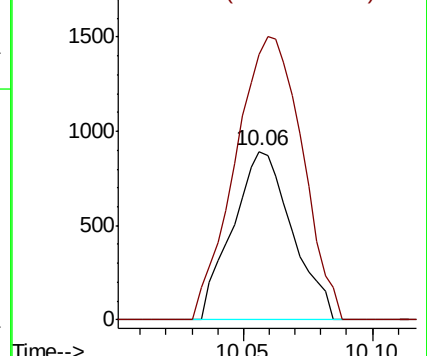
43 100

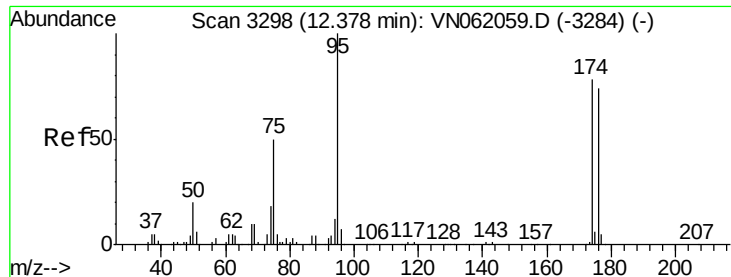
58 188.8 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

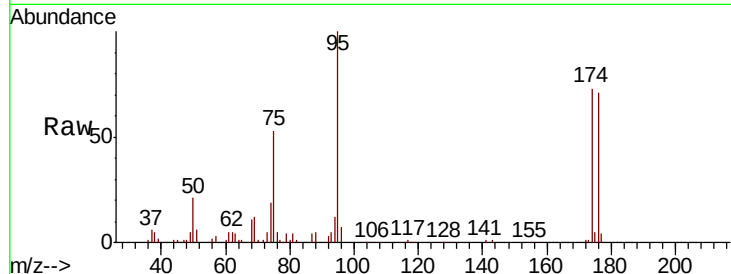




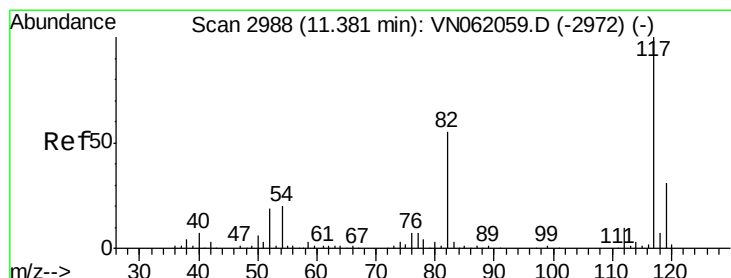
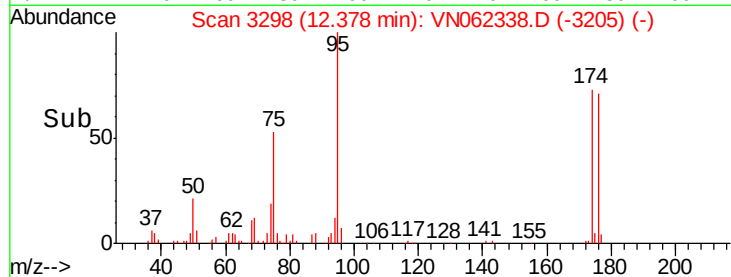
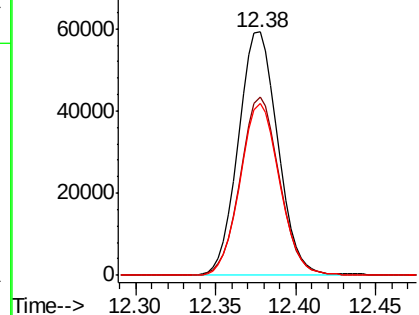
#62
4-Bromofluorobenzene
Concen: 45.627 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 99639
Ion Ratio Lower Upper
95 100
174 72.7 0.0 154.8
176 70.7 0.0 147.4

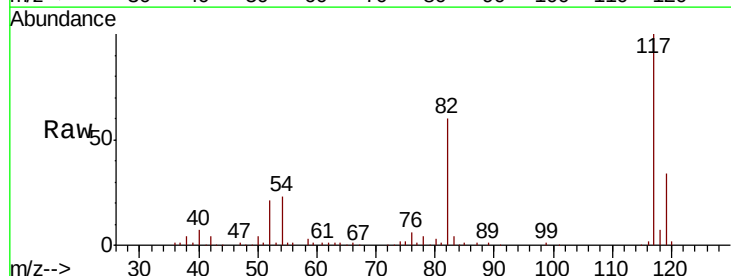


Abundance Ion 94.90 (94.60 to 95.60): VN062338.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062338.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062338.D (-3205) (-)

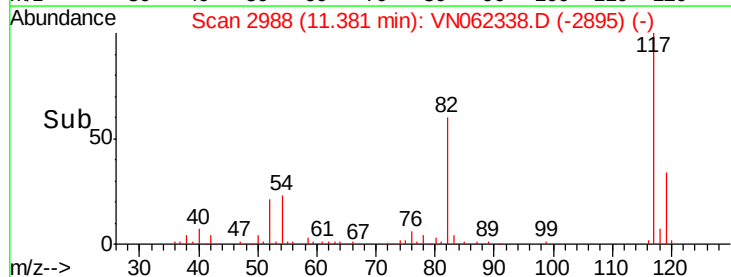
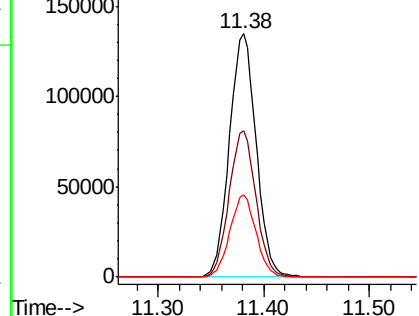


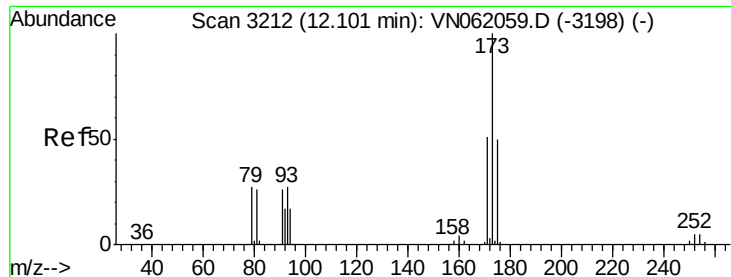
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062338.D
Acq: 2 Jul 2020 17:17

Tgt Ion: 117 Resp: 236738
Ion Ratio Lower Upper
117 100
82 59.9 43.8 65.8
119 33.6 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062338.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062338.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062338.D (-2895) (-)





#71

Bromoform

Concen: 0.781 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

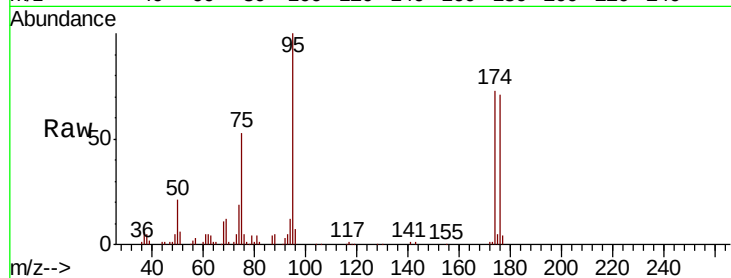
Tot Ion:173 Resp: 998

Ion Ratio Lower Upper

173 100

175 465.5 24.7 74.1#

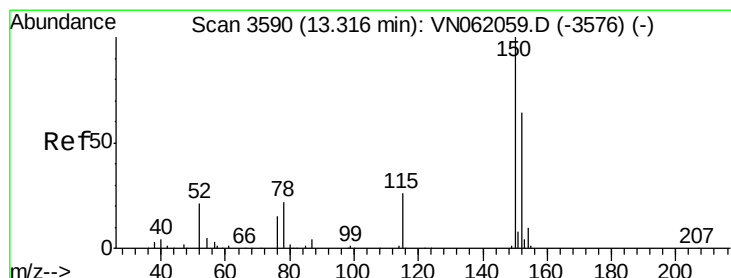
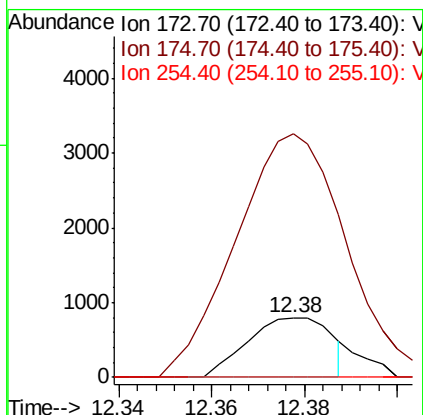
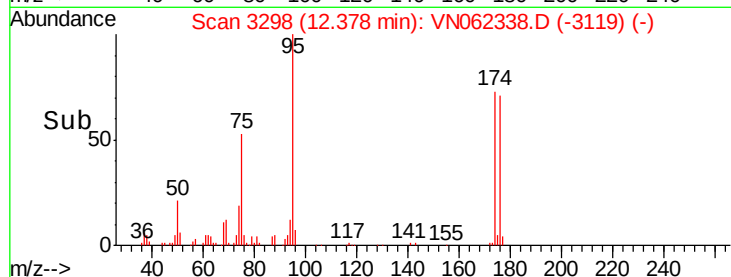
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

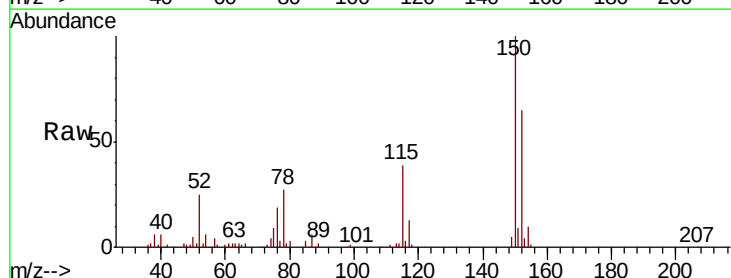
Tgt Ion:152 Resp: 82562

Ion Ratio Lower Upper

152 100

115 60.9 29.5 88.5

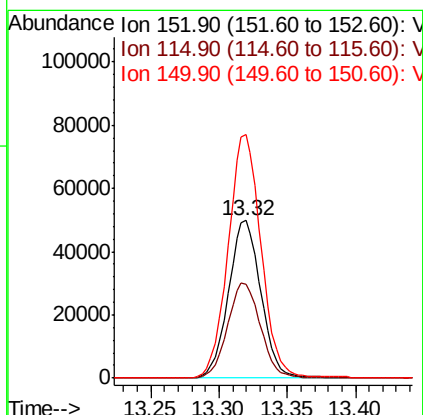
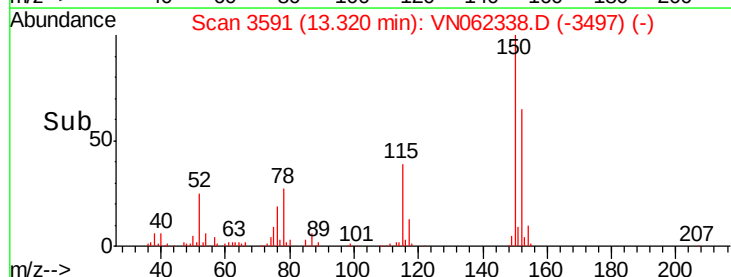
150 156.8 0.0 351.4

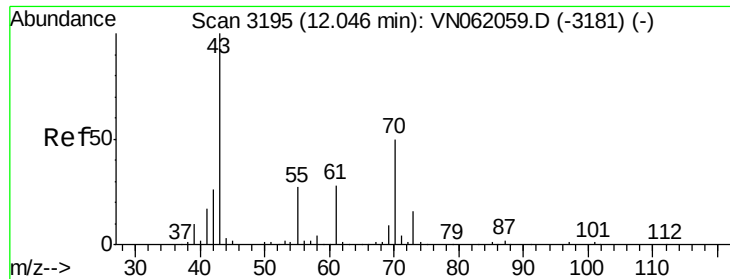


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.355 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 29

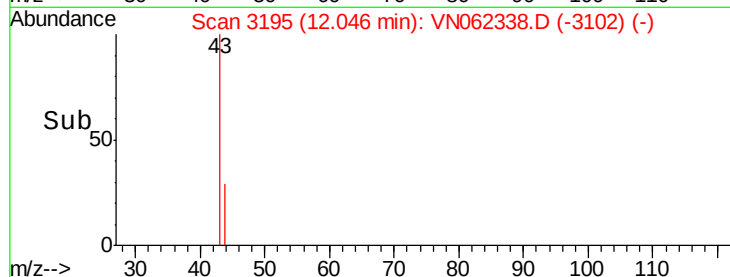
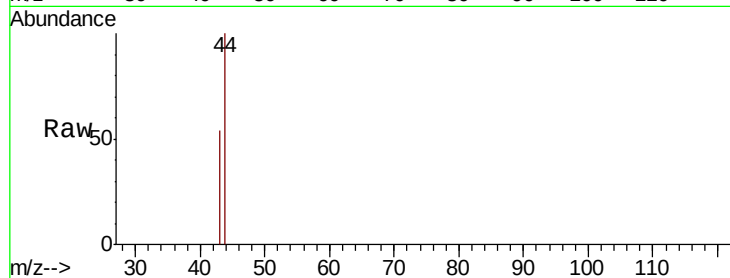
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

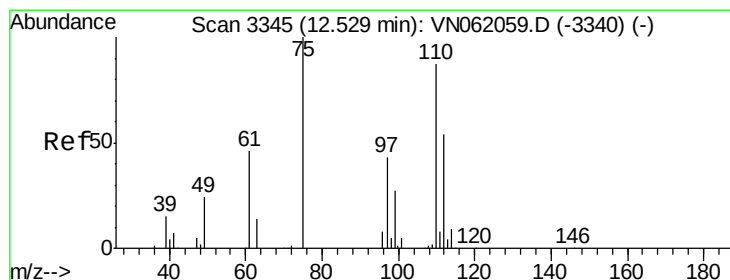
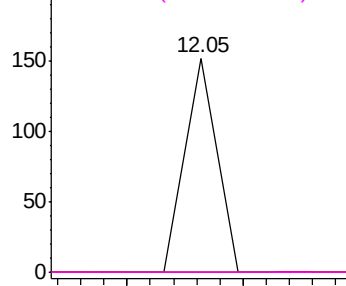


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.019 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062338.D

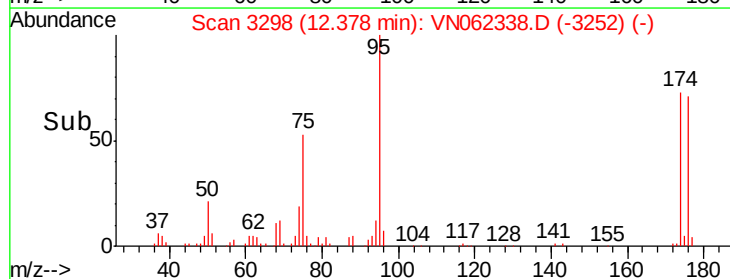
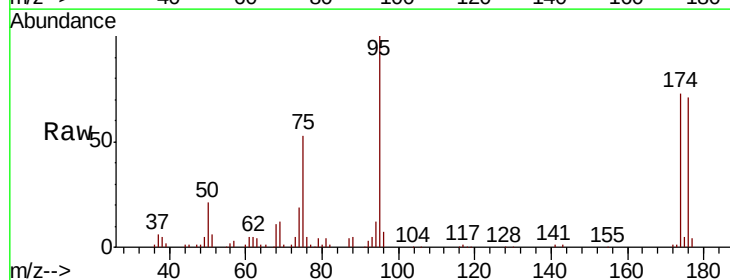
Acq: 2 Jul 2020 17:17

Tgt Ion: 75 Resp: 52513

Ion Ratio Lower Upper

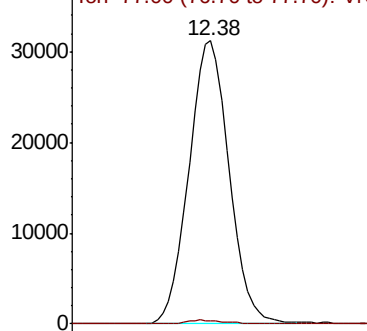
75 100

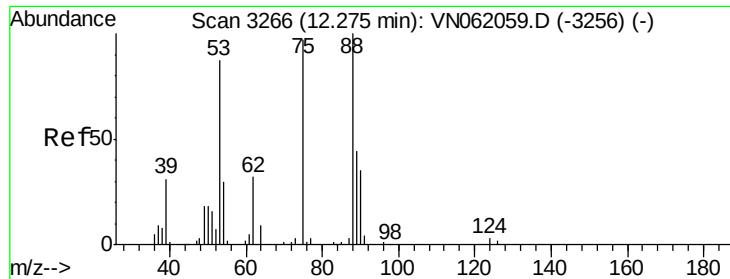
77 1.2 0.0 0.0#



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: 78.905 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

Instrument :

MSVOA_N

ClientSampleId :

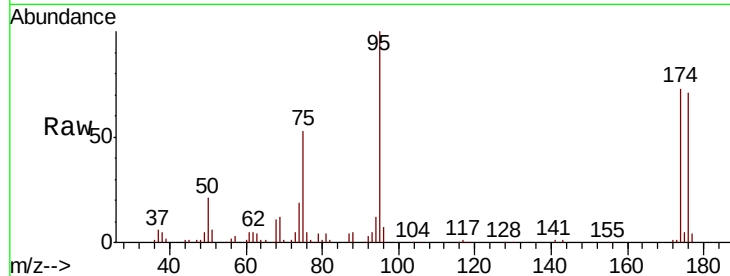
Tot Ion: 75 Resp: 52513

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

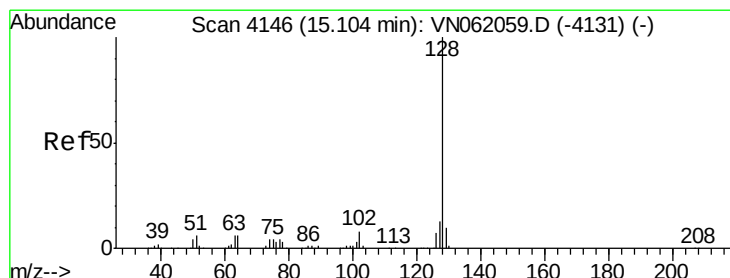
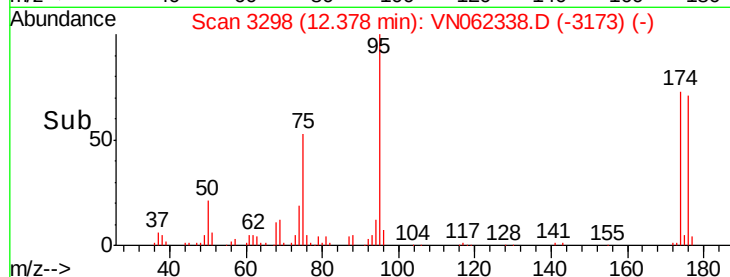
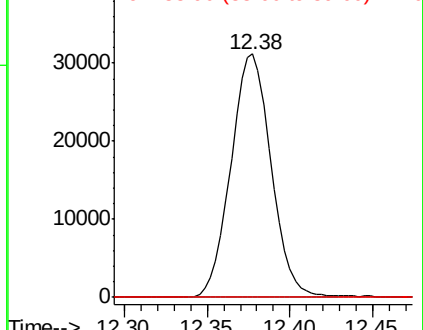
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#95

Naphthalene

Concen: 4.208 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062338.D

Acq: 2 Jul 2020 17:17

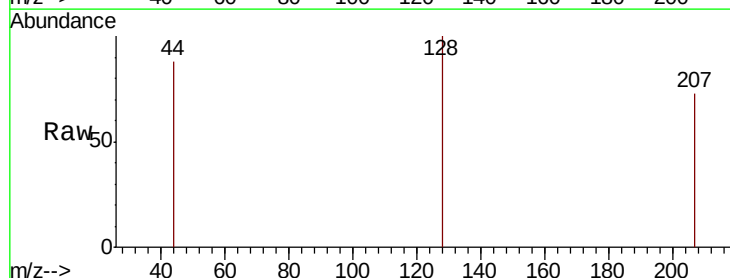
Tgt Ion: 128 Resp: 910

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062059.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062059.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062059.D (-4131) (-)

