

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062499.D
 Acq On : 10 Jul 2020 17:56
 Operator : JC/MD
 Sample : L3273-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 02:09:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	189559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	339756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	326441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117868	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	147347	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	7.55	113	108556	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.06	98	436837	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.38	95	155111	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	

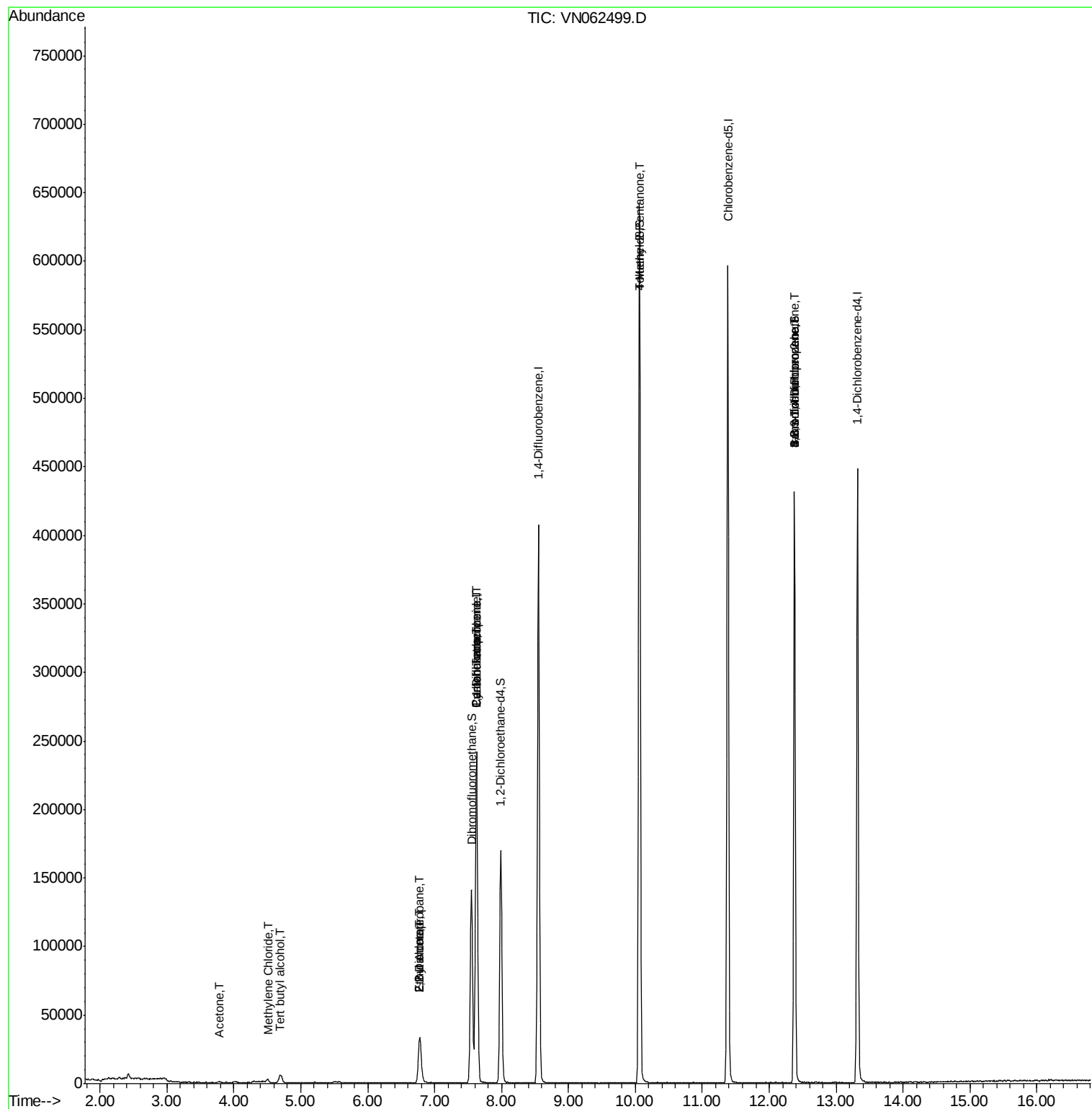
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	6090	12.592	ug/l #	74
16) Acetone	3.77	43	508	0.410	ug/l #	45
20) Methylene Chloride	4.50	84	1565	0.591	ug/l #	70
25) 2-Butanone	6.79	43	2426	1.342	ug/l #	53
26) 2,2-Dichloropropane	6.78	77	2713	0.757	ug/l #	54
31) Cyclohexane	7.63	56	4673	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16816	4.913	ug/l #	52
37) Ethyl Acetate	6.79	43	2426	0.606	ug/l #	31
38) Carbon Tetrachloride	7.63	117	18952	6.158	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2313	0.612	ug/l #	1
71) Bromoform	12.38	173	854	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	81909	28.322	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81909	75.806	ug/l #	10
95) Naphthalene	15.11	128	336	Below Cal	#	70

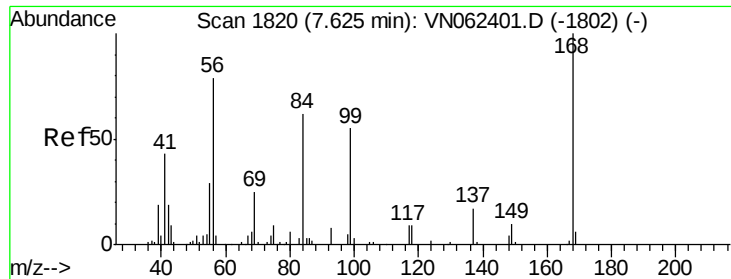
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062499.D

Acq: 10 Jul 2020 17:56

Instrument :

MSVOA_N

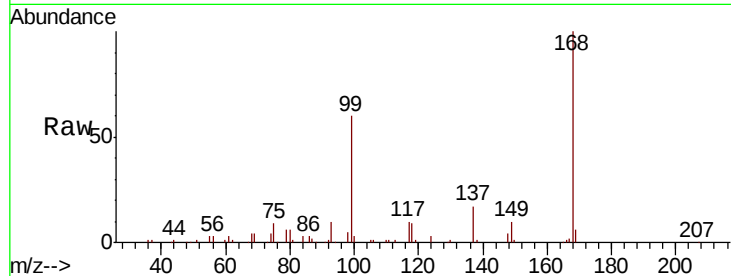
ClientSampleId :

Tot Ion:168 Resp: 189559

Ion Ratio Lower Upper

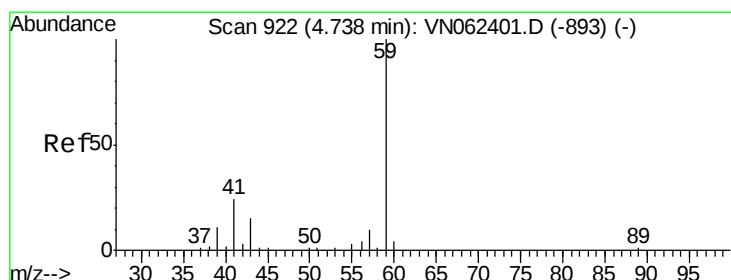
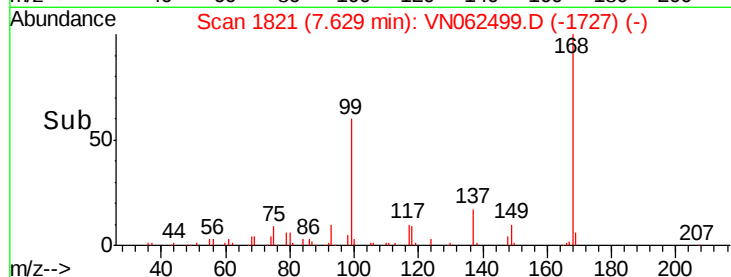
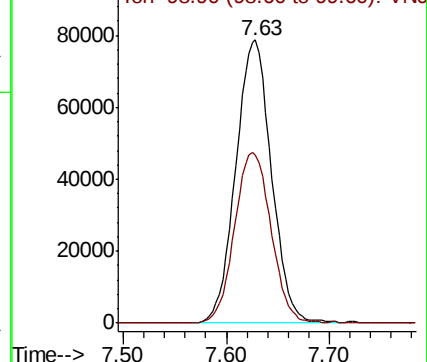
168 100

99 59.6 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 12.592 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.04 min

Lab File: VN062499.D

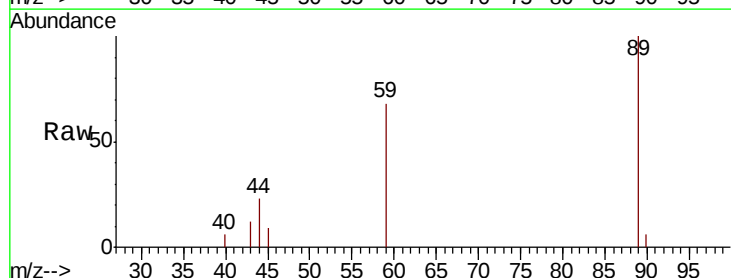
Acq: 10 Jul 2020 17:56

Tgt Ion: 59 Resp: 6090

Ion Ratio Lower Upper

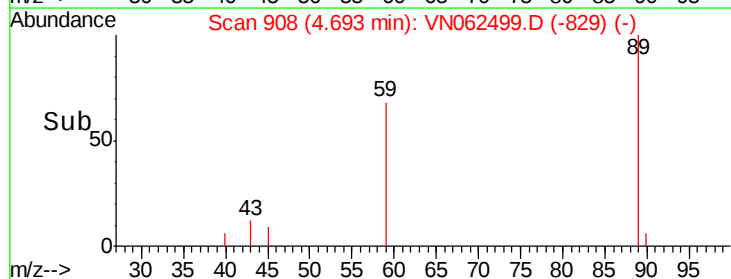
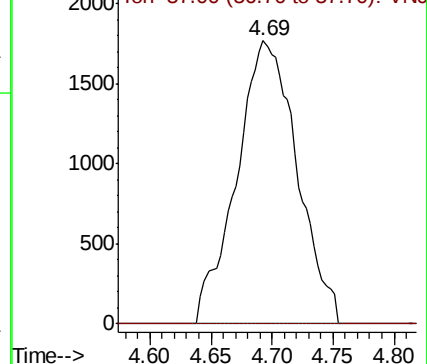
59 100

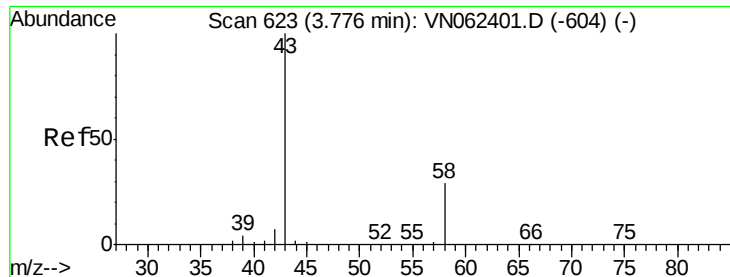
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 0.410 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062499.D

Acq: 10 Jul 2020 17:56

Instrument :

MSVOA_N

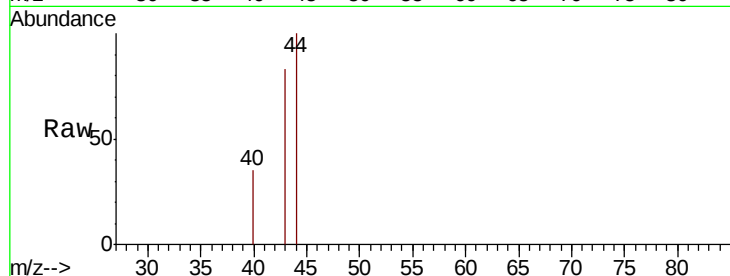
ClientSampled :

Tot Ion: 43 Resp: 508

Ion Ratio Lower Upper

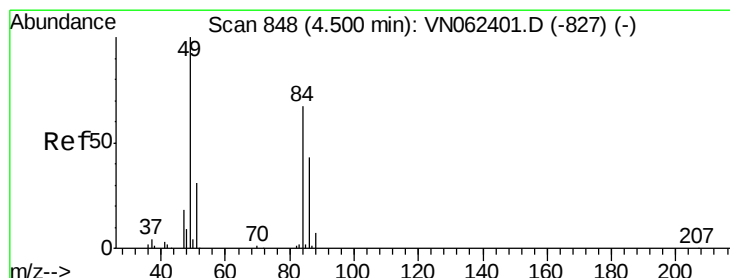
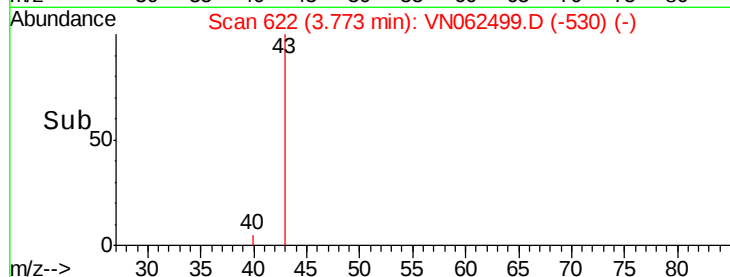
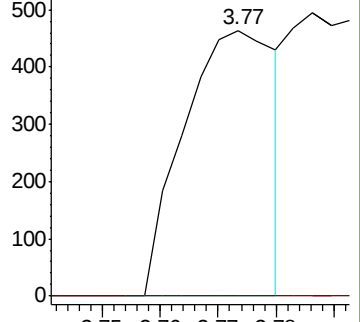
43 100

58 0.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.591 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.00 min

Lab File: VN062499.D

Acq: 10 Jul 2020 17:56

Tgt Ion: 84 Resp: 1565

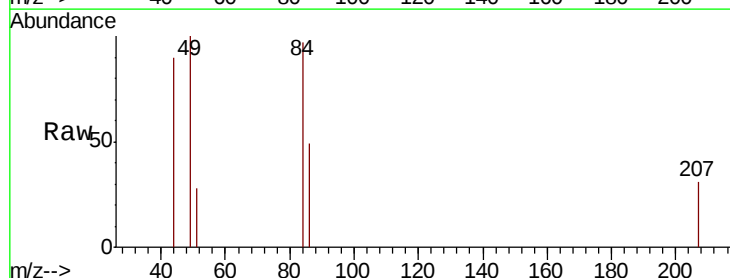
Ion Ratio Lower Upper

84 100

49 103.1 120.0 180.0#

51 29.2 37.0 55.6#

86 51.0 51.8 77.6#

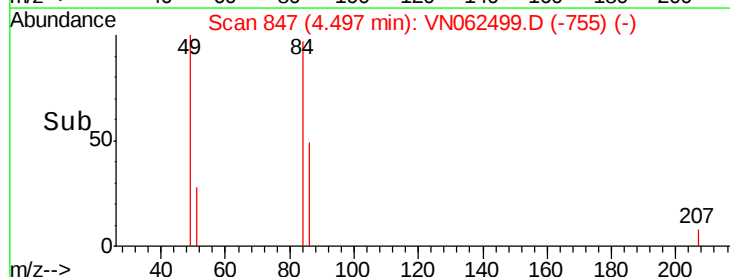
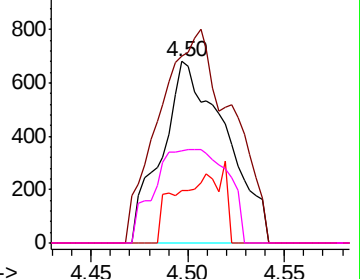


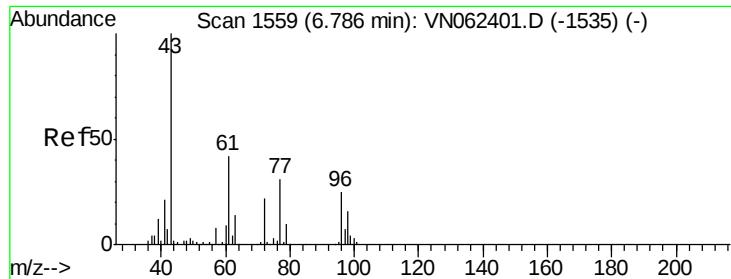
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#25

2-Butanone

Concen: 1.342 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062499.D

Acq: 10 Jul 2020 17:56

Instrument :

MSVOA_N

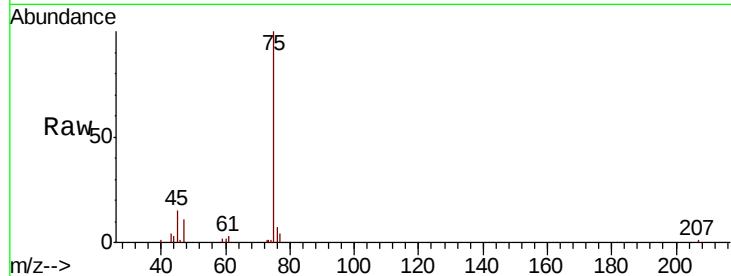
ClientSampleId :

Tot Ion: 43 Resp: 2426

Ion Ratio Lower Upper

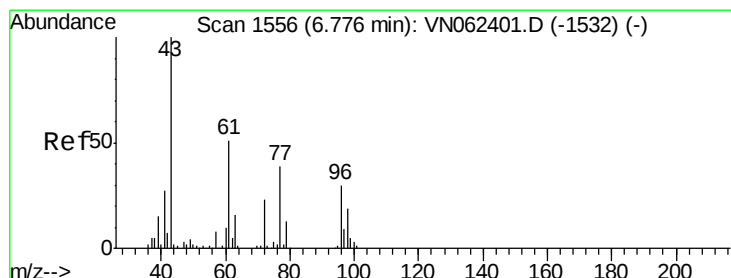
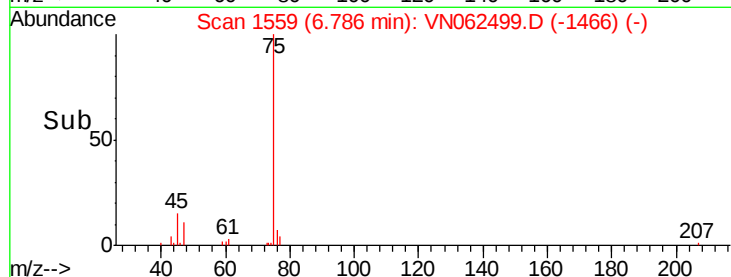
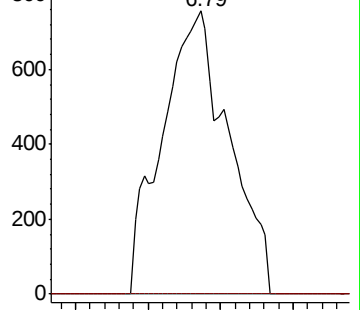
43 100

72 0.0 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.757 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062499.D

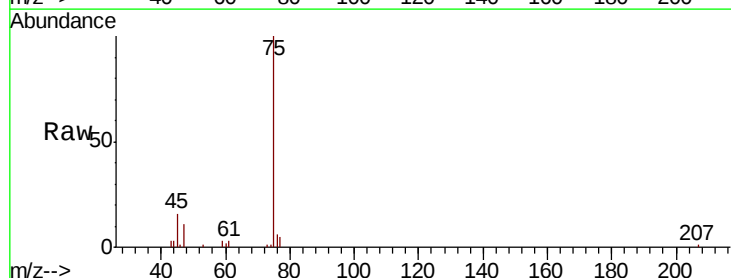
Acq: 10 Jul 2020 17:56

Tgt Ion: 77 Resp: 2713

Ion Ratio Lower Upper

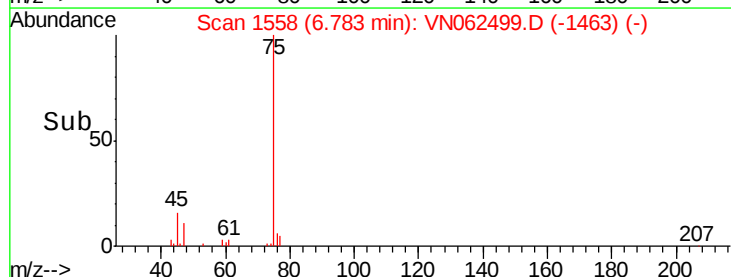
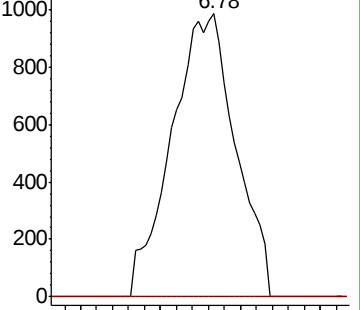
77 100

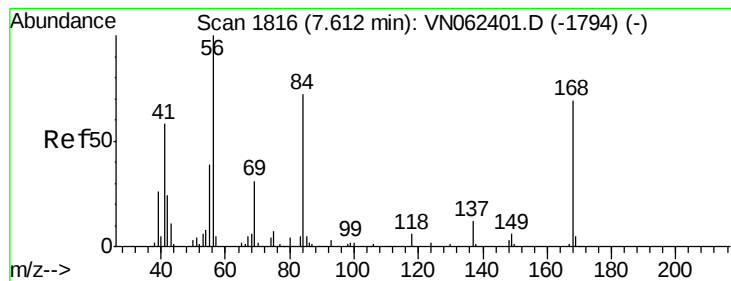
97 0.0 10.9 32.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#31

Cvclohexane

Concen: 1.055 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062499.D

Acq: 10 Jul 2020 17:56

Instrument :

MSVOA_N

ClientSampleId :

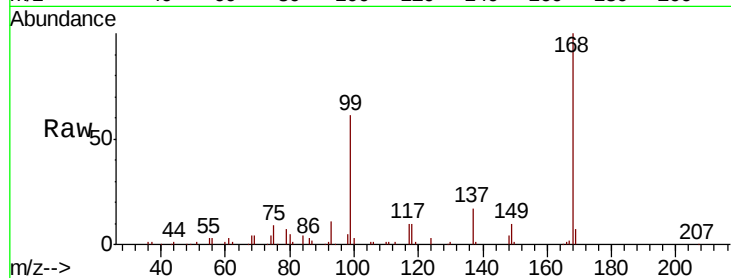
Tot Ion: 56 Resp: 4673

Ion Ratio Lower Upper

56 100

69 150.9 24.5 36.7#

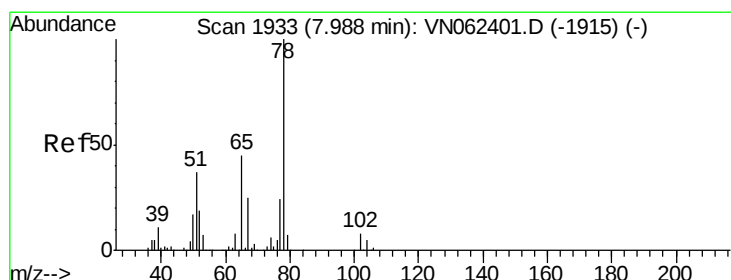
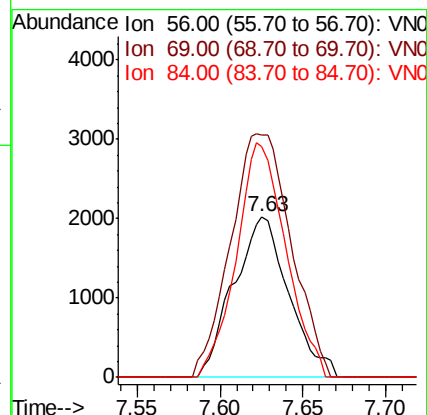
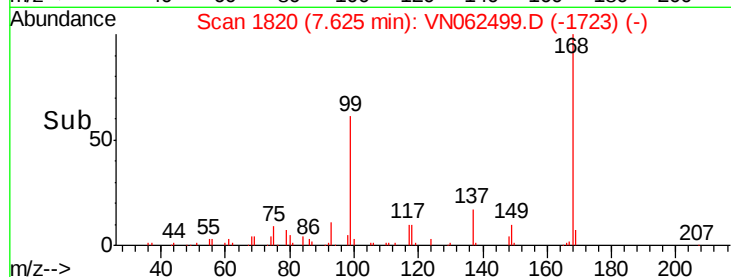
84 143.9 57.4 86.2#



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



#33

1,2-Dichloroethane-d4

Concen: 50.536 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062499.D

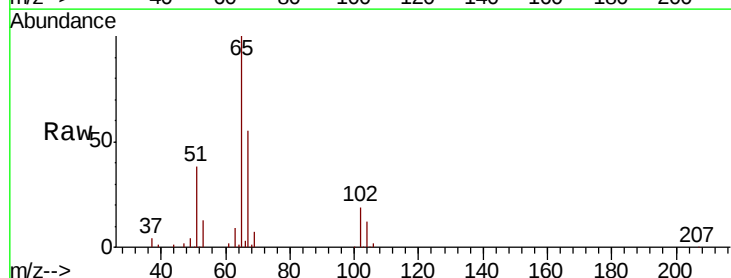
Acq: 10 Jul 2020 17:56

Tgt Ion: 65 Resp: 147347

Ion Ratio Lower Upper

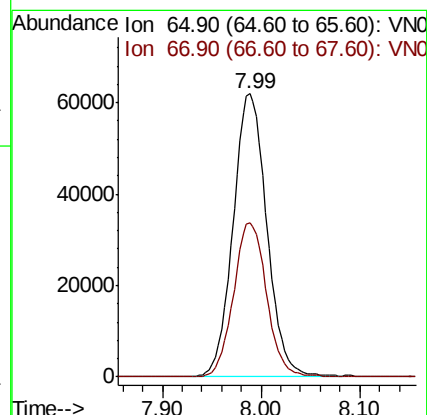
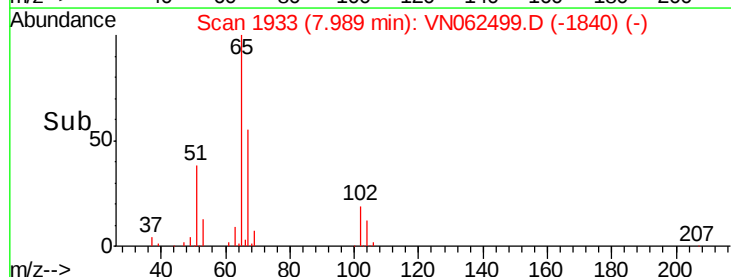
65 100

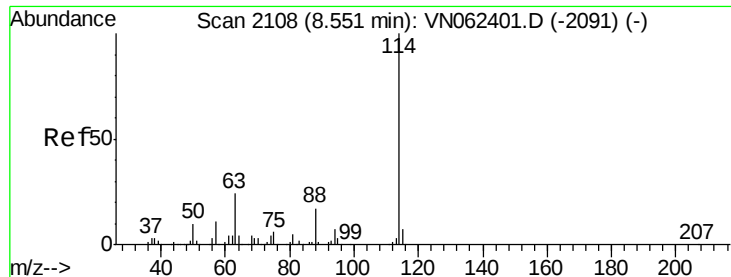
67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

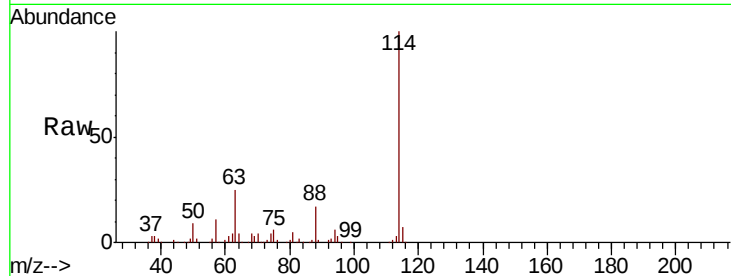




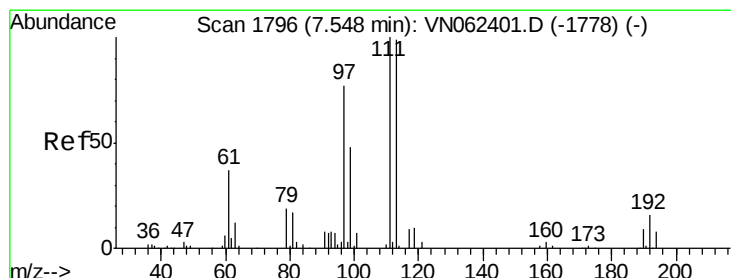
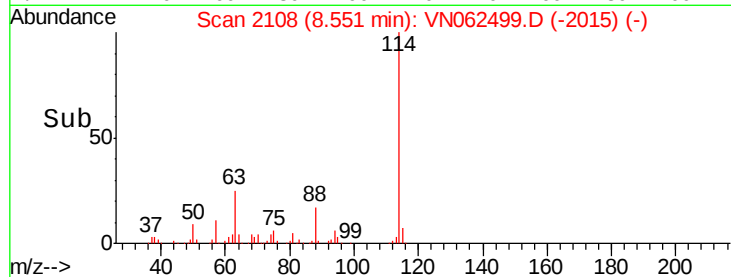
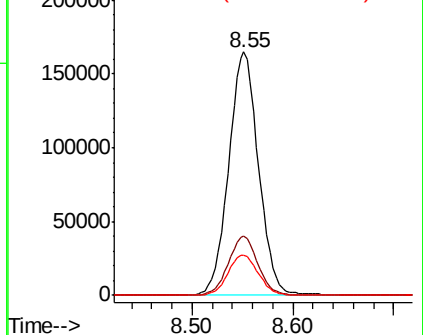
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062499.D
 Acq: 10 Jul 2020 17:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.4
88	16.5	0.0	33.8

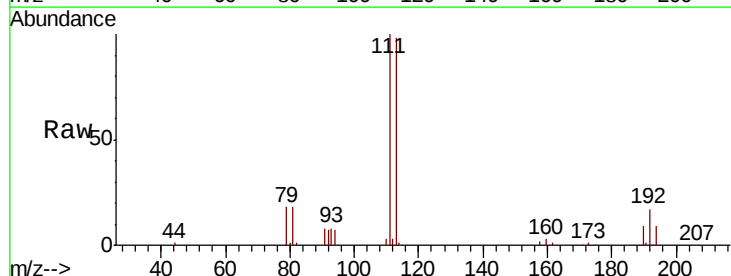


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

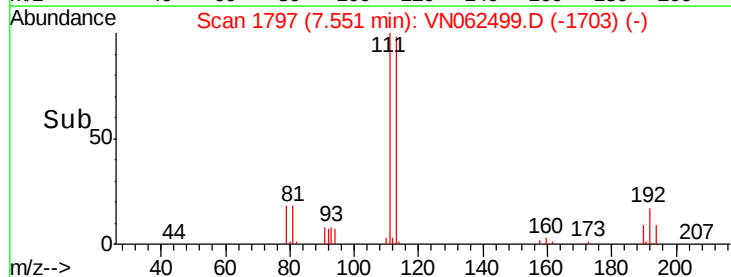
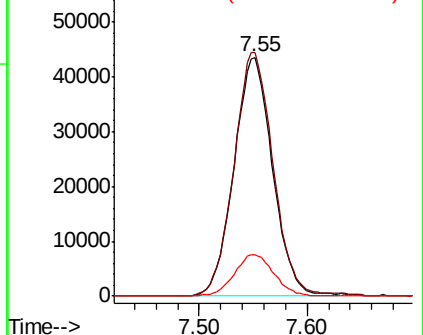


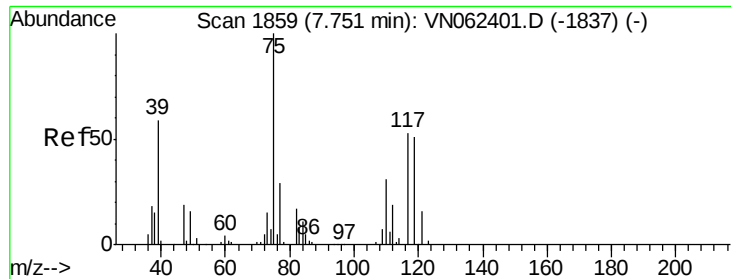
#35
 Dibromofluoromethane
 Concen: 51.690 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062499.D
 Acq: 10 Jul 2020 17:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.1	124.7
192	17.8	14.1	21.1



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

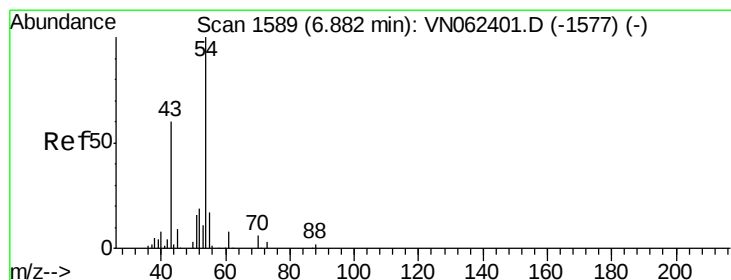
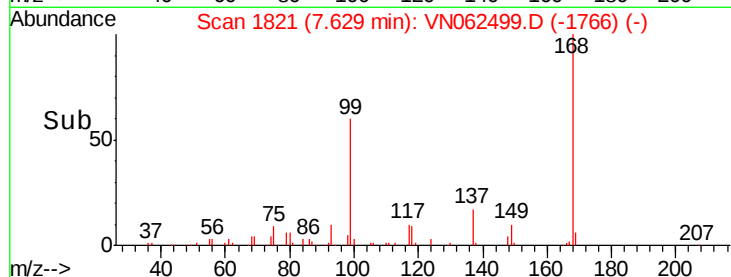
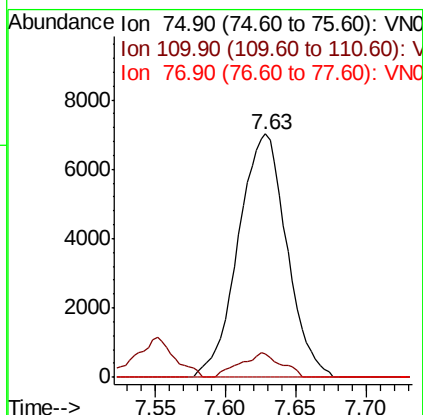
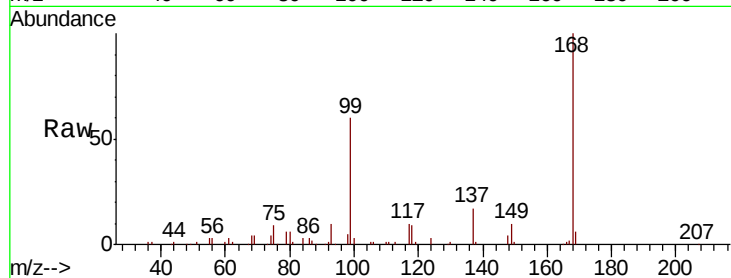




#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062499.D
 Acq: 10 Jul 2020 17:56

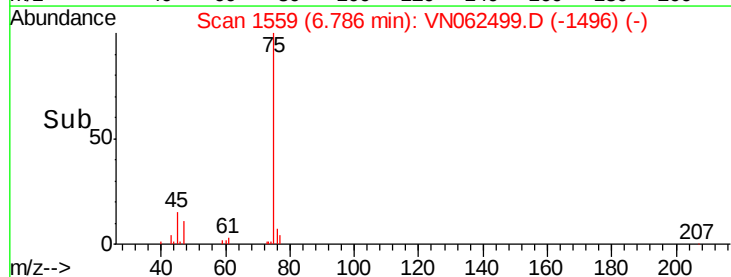
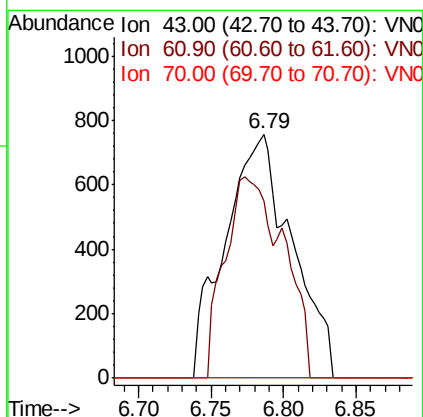
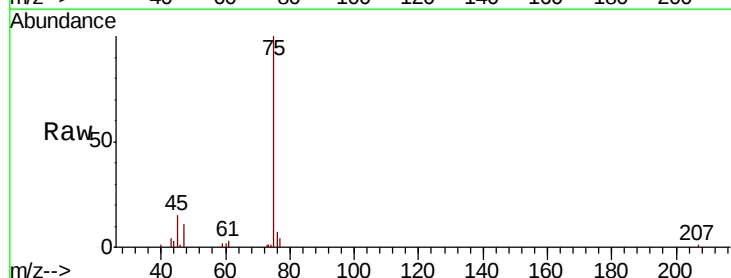
Instrument :
 MSVOA_N
 ClientSampleId :

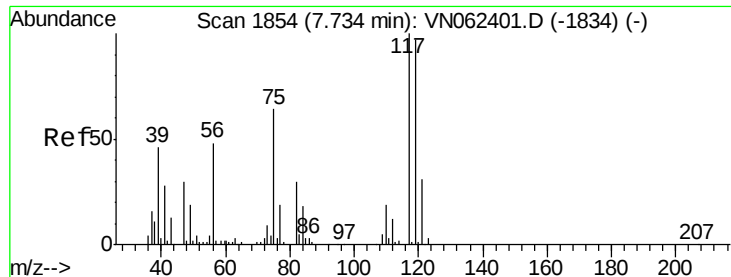
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.4	46.2#
77	0.0	24.1	36.1#



#37
 Ethyl Acetate
 Concen: 0.606 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.10 min
 Lab File: VN062499.D
 Acq: 10 Jul 2020 17:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	53.0	10.7	16.1#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 6.158 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062499.D

Acq: 10 Jul 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

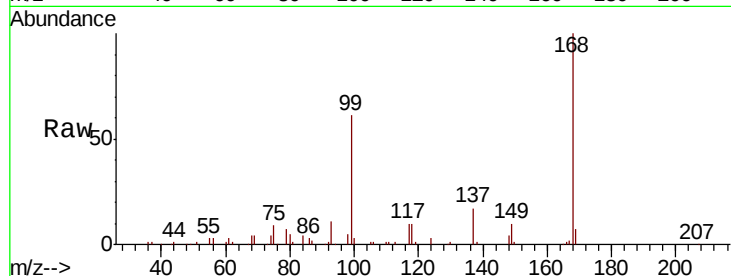
Tot Ion:117 Resp: 18952

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

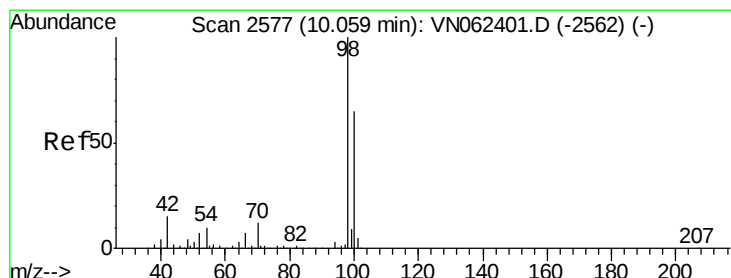
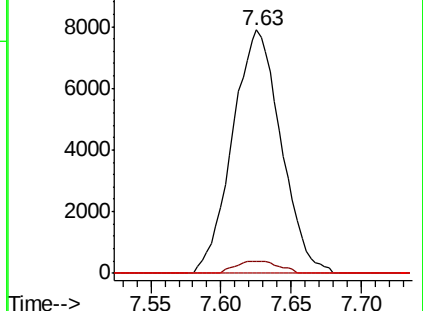
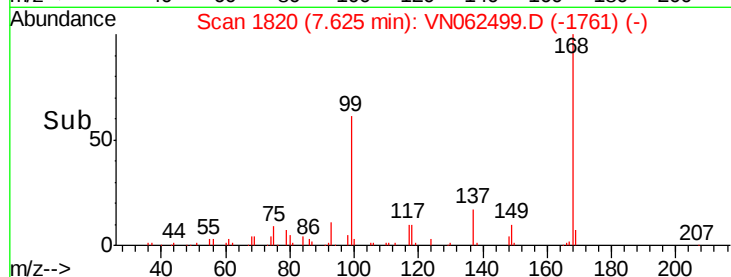
121 0.0 24.8 37.2#



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: 52.690 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062499.D

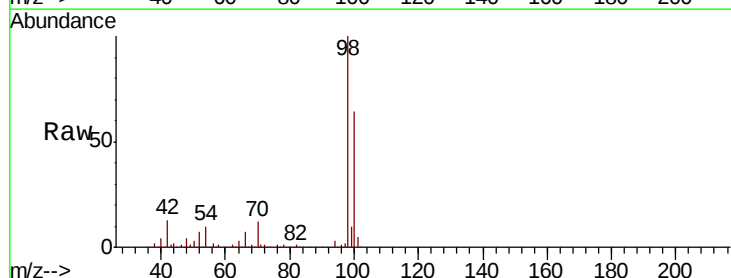
Acq: 10 Jul 2020 17:56

Tgt Ion: 98 Resp: 436837

Ion Ratio Lower Upper

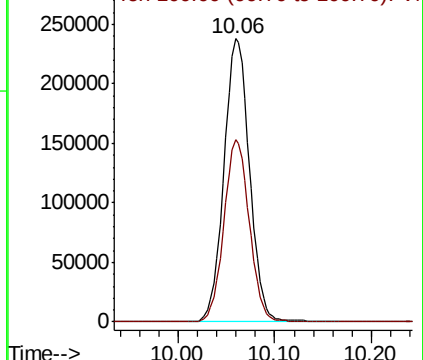
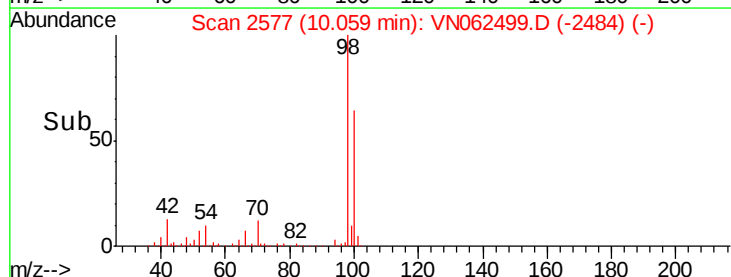
98 100

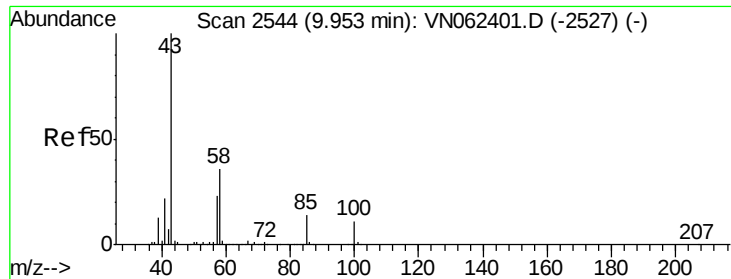
100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

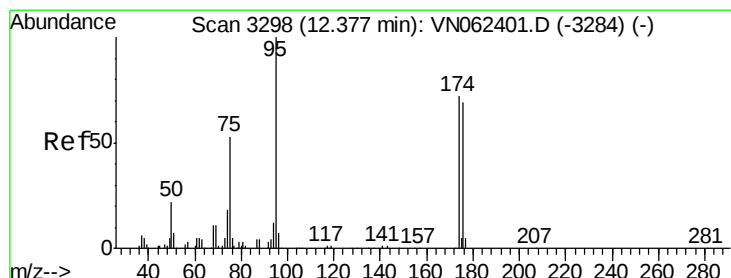
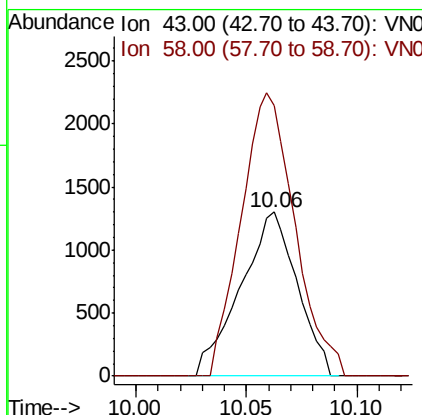
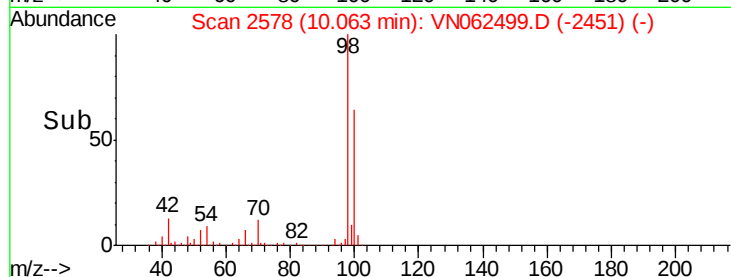
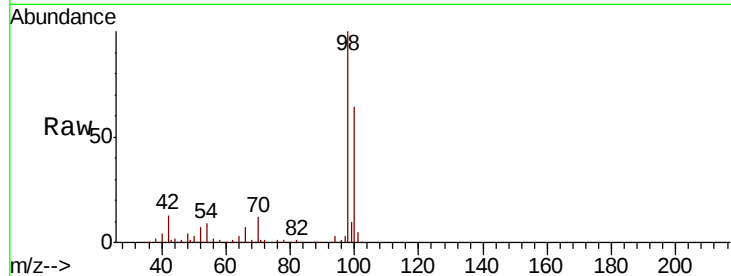




#51
 4-Methyl-2-Pentanone
 Concen: 0.612 ug/l
 RT: 10.06 min Scan# 2578
 Delta R.T. 0.11 min
 Lab File: VN062499.D
 Acq: 10 Jul 2020 17:56

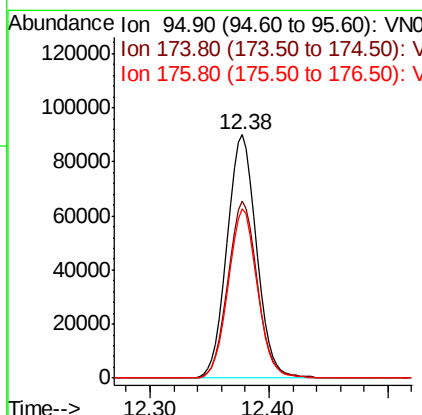
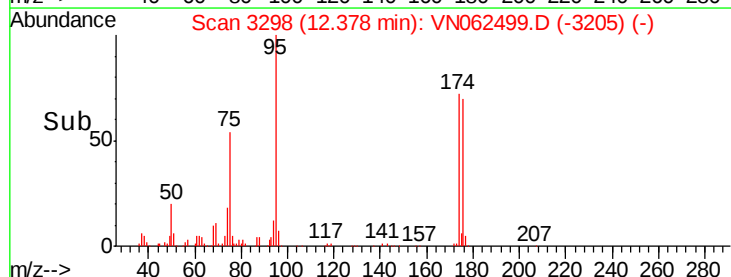
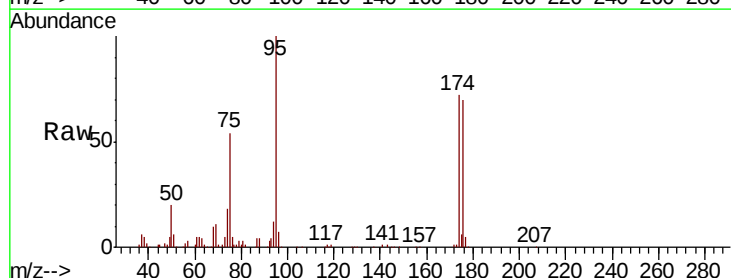
Instrument :
 MSVOA_N
 ClientSampled :

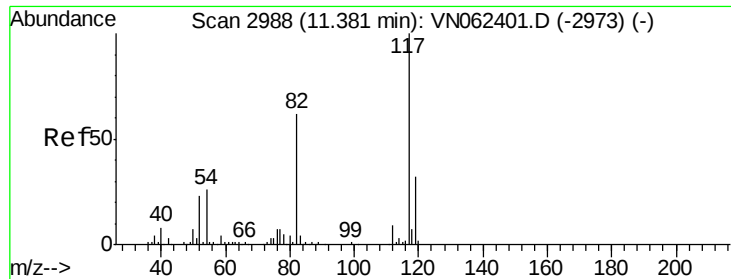
Tot Ion: 43 Resp: 2313
 Ion Ratio Lower Upper
 43 100
 58 164.0 29.0 43.6#



#62
 4-Bromofluorobenzene
 Concen: 51.197 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062499.D
 Acq: 10 Jul 2020 17:56

Tgt Ion: 95 Resp: 155111
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 141.6
 176 68.8 0.0 137.2

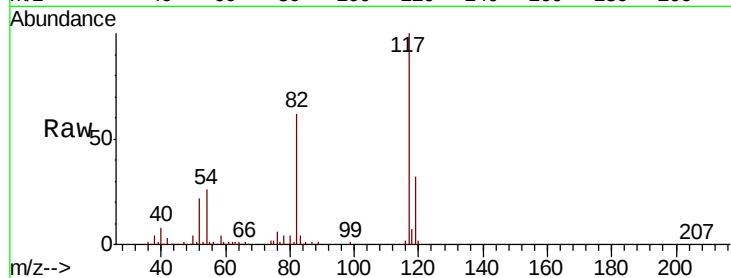




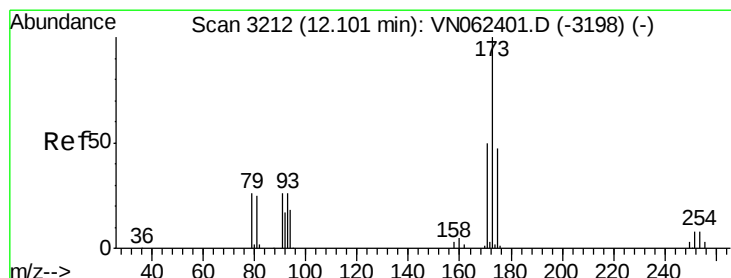
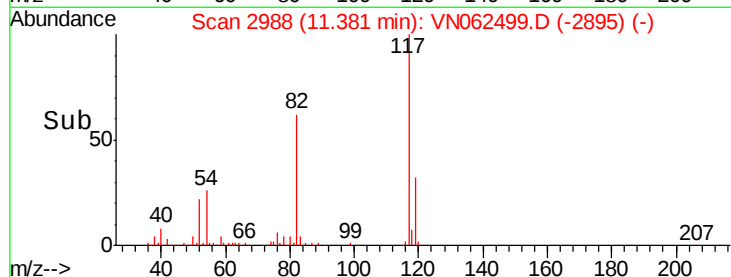
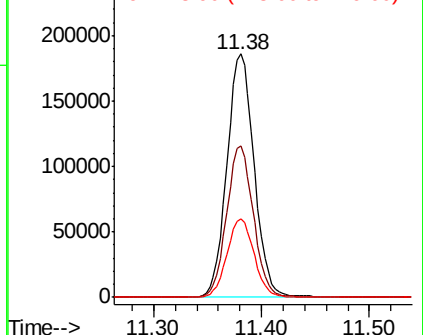
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062499.D
Acq: 10 Jul 2020 17:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 326441
Ion Ratio Lower Upper
117 100
82 62.0 49.6 74.4
119 32.3 25.4 38.0

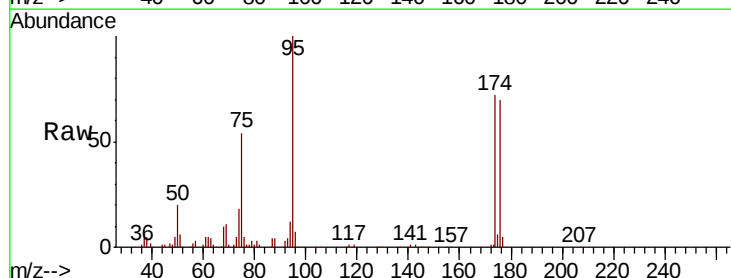


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

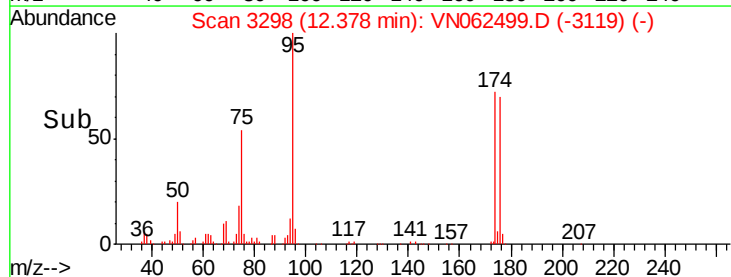
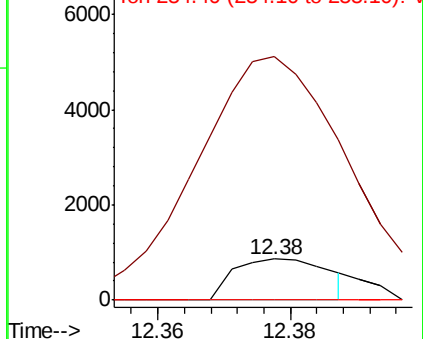


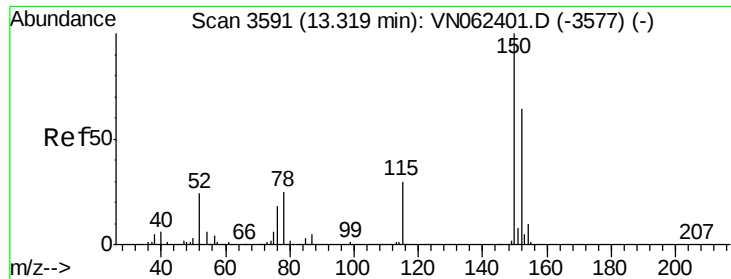
#71
Bromoform
Concen: 0.498 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062499.D
Acq: 10 Jul 2020 17:56

Tgt Ion:173 Resp: 854
Ion Ratio Lower Upper
173 100
175 827.8 23.7 71.1#
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: VN062499.D

Acq: 10 Jul 2020 17:56

Instrument :

MSVOA_N

ClientSampled :

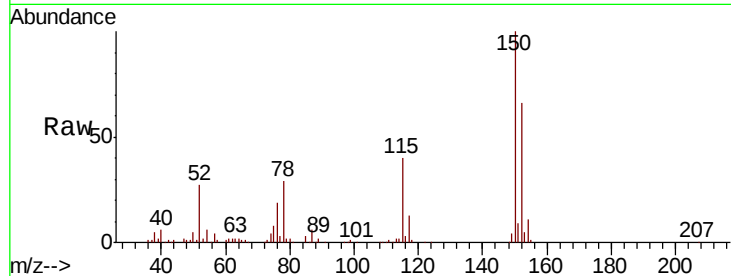
Tot Ion:152 Resp: 117868

Ion Ratio Lower Upper

152 100

115 62.4 31.4 94.2

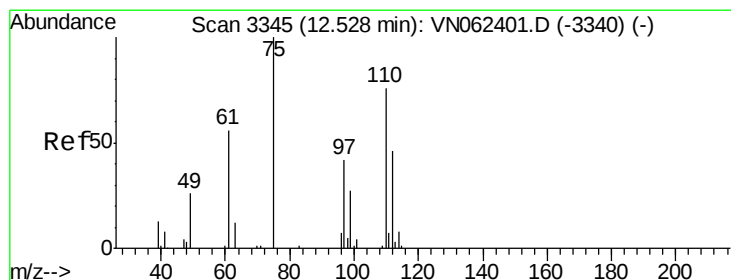
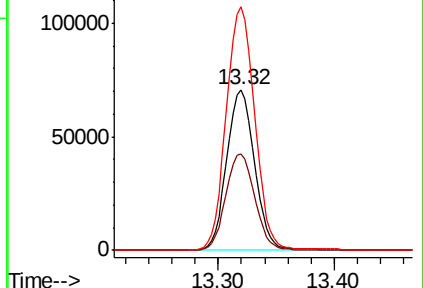
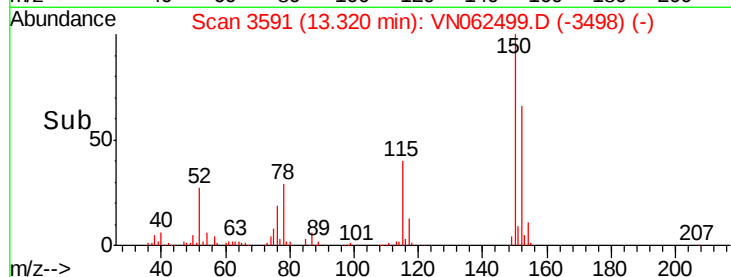
150 154.4 0.0 347.4



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: 28.322 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062499.D

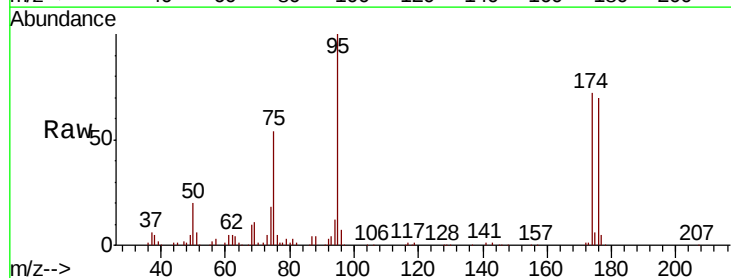
Acq: 10 Jul 2020 17:56

Tgt Ion: 75 Resp: 81909

Ion Ratio Lower Upper

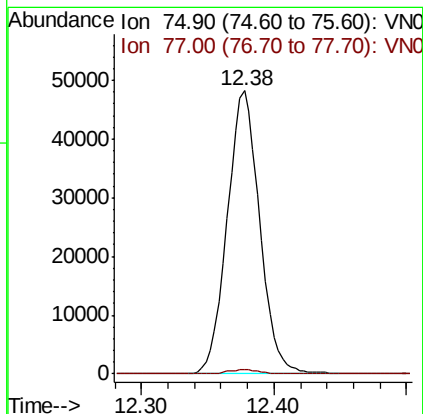
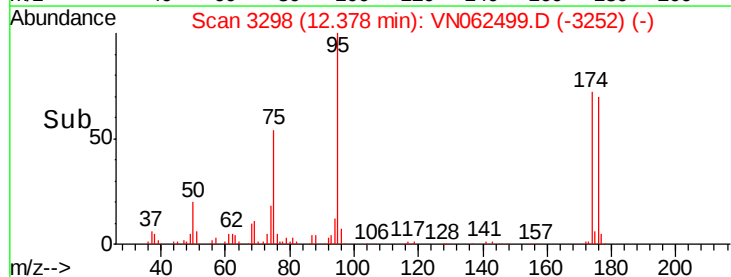
75 100

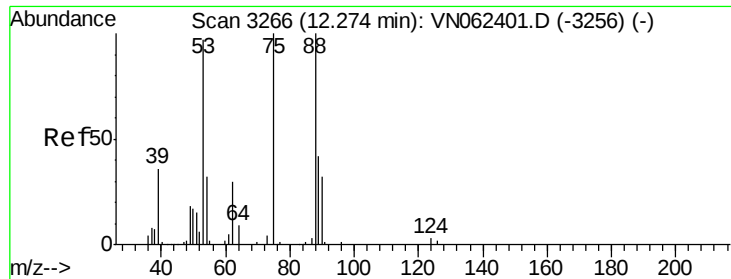
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

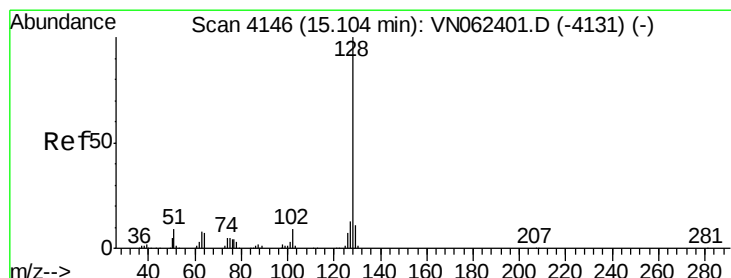
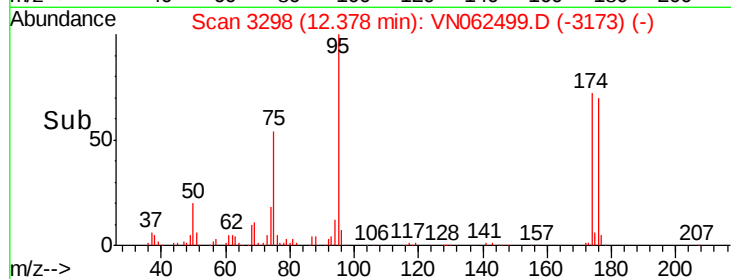
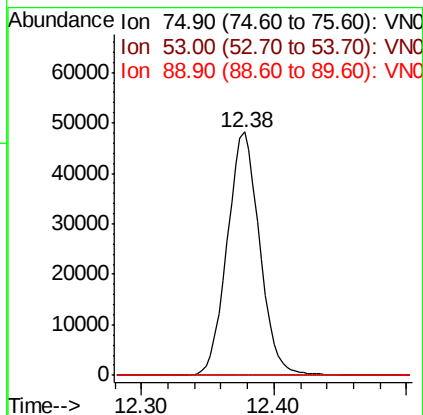
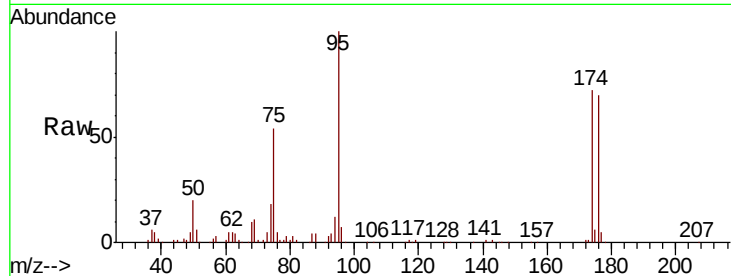




#81
trans-1,4-Dichloro-2-butene
Concen: 75.806 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062499.D
Acq: 10 Jul 2020 17:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 81909
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 34.6 52.0#



#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062499.D
Acq: 10 Jul 2020 17:56

Tgt Ion: 128 Resp: 336
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 12.8#

