

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062246.D
 Acq On : 30 Jun 2020 17:51
 Operator : JC/MD
 Sample : L3127-03 200X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20200625

Quant Time: Jul 01 03:37:24 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	193273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372108	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	355535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122048	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	151775	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	
35) Dibromofluoromethane	7.55	113	121519	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	10.06	98	483391	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.38	95	152946	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

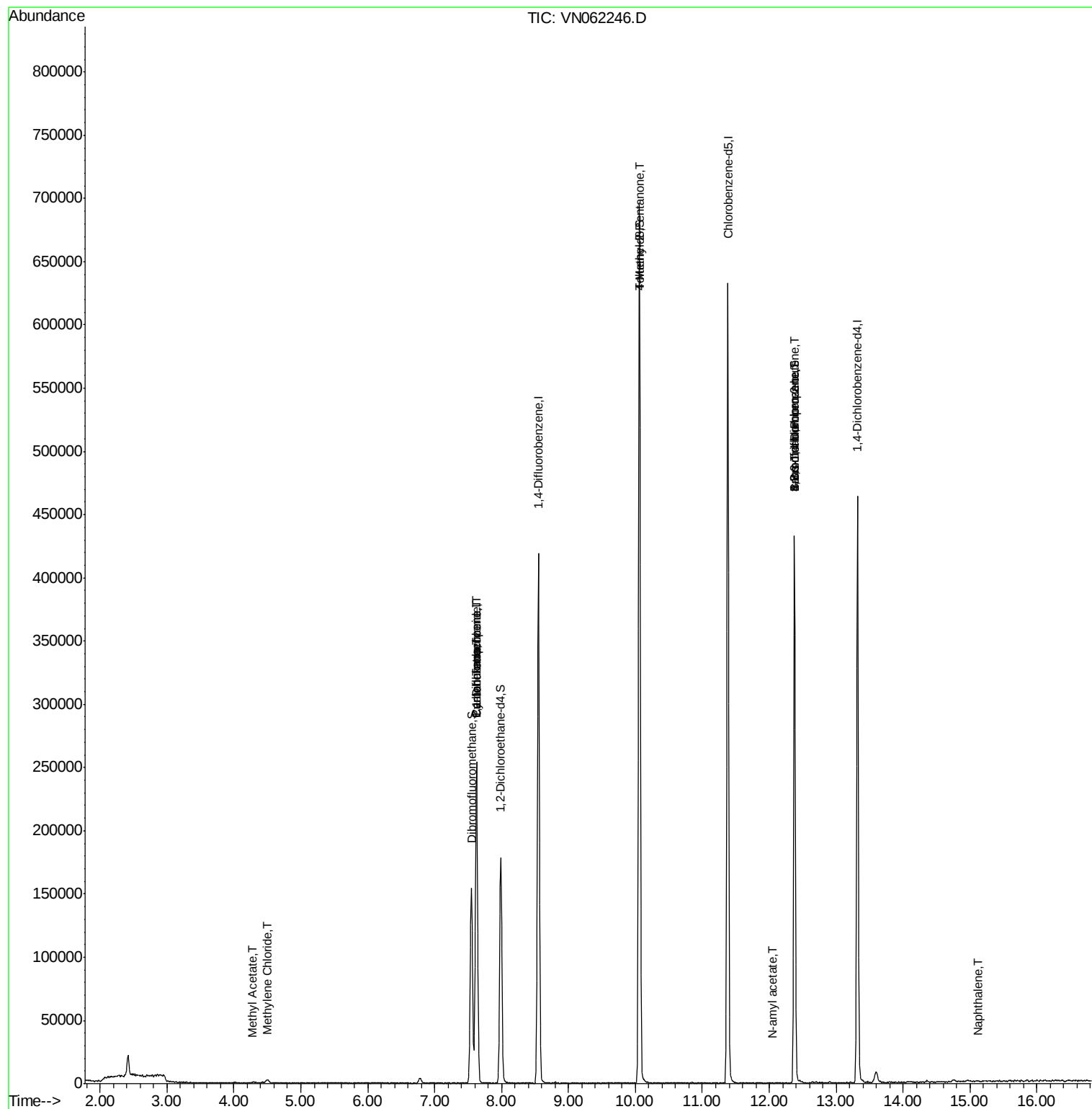
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	234	Below Cal	#	61
16) Acetone	3.78	43	383	Below Cal	#	40
18) Methyl Acetate	4.27	43	548	0.254	ug/l #	46
20) Methylene Chloride	4.50	84	2298	0.709	ug/l #	73
31) Cyclohexane	7.63	56	5012	1.338	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	16946	4.531	ug/l #	46
38) Carbon Tetrachloride	7.63	117	20408	5.787	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	2177	0.738	ug/l #	1
71) Bromoform	12.38	173	1408	0.734	ug/l #	1
74) N-amyl acetate	12.05	43	30	3.351	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	77983	27.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	77983	79.266	ug/l #	13
95) Naphthalene	15.11	128	492	4.073	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

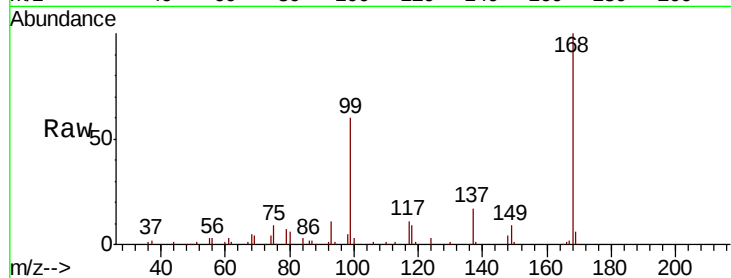
DUP04-20200625

Tot Ion:168 Resp: 193273

Ion Ratio Lower Upper

168 100

99 60.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062059.D

Ion 98.90 (98.60 to 99.60): VN062059.D

7.63

80000

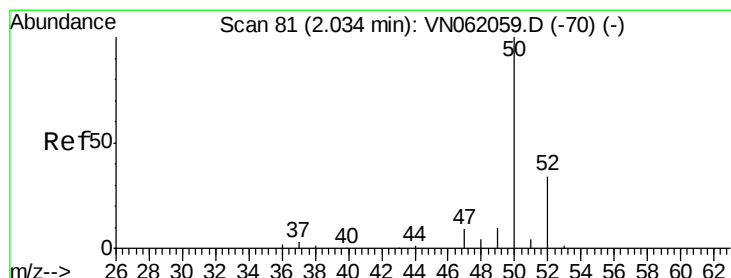
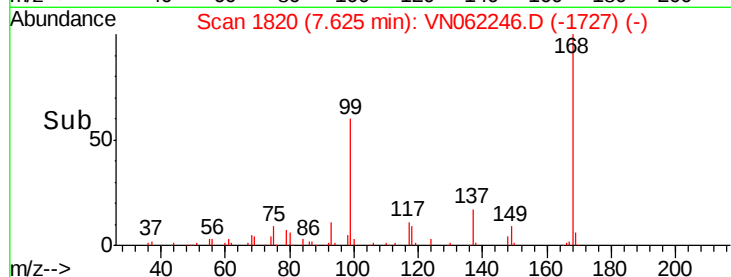
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062246.D

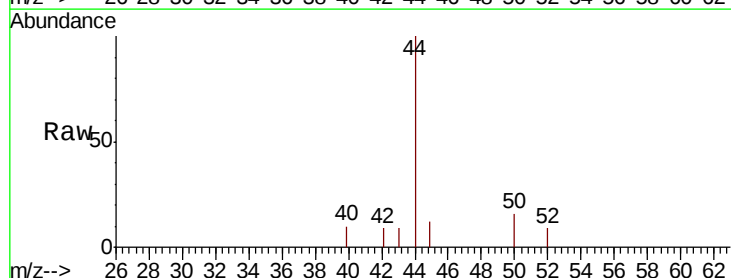
Acq: 30 Jun 2020 17:51

Tgt Ion: 50 Resp: 234

Ion Ratio Lower Upper

50 100

52 55.9 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062059.D

Ion 51.90 (51.60 to 52.60): VN062059.D

2.04

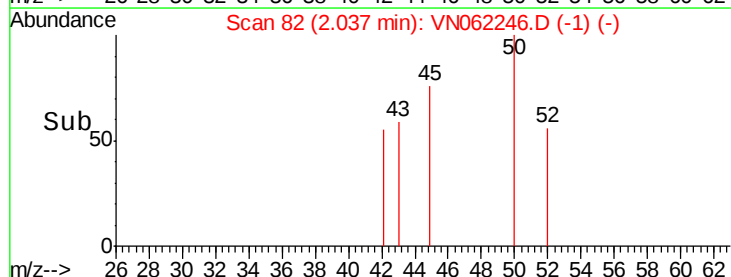
300

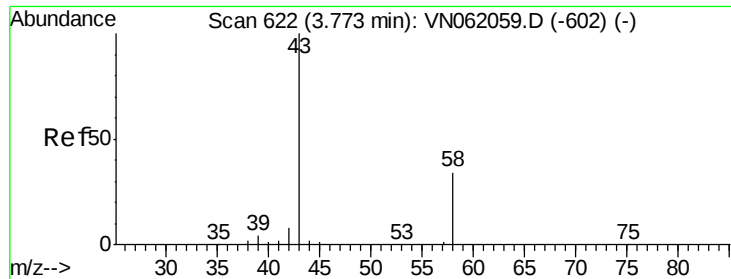
200

100

0

Time--> 2.01 2.02 2.03 2.04 2.05





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

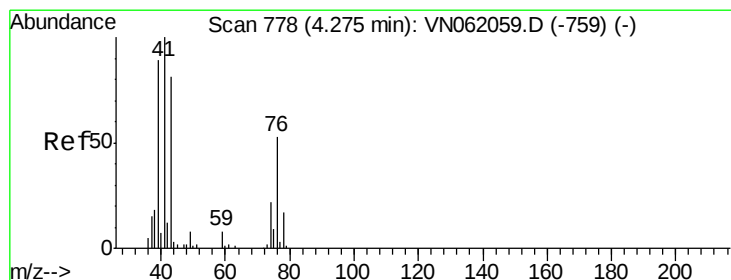
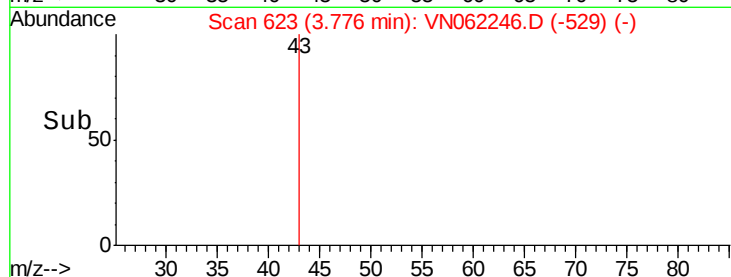
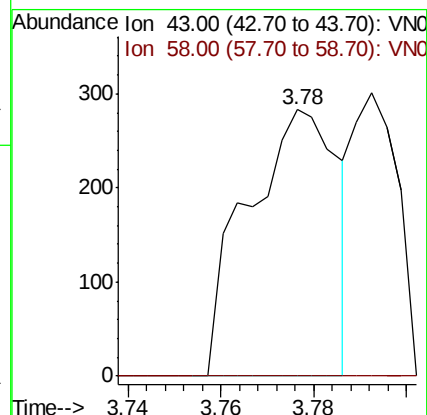
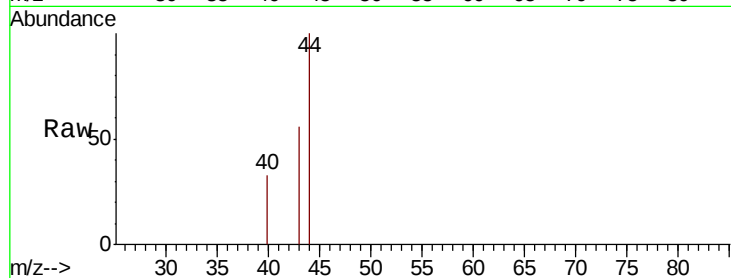
DUP04-20200625

Tot Ion: 43 Resp: 383

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#18

Methyl Acetate

Concen: 0.254 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062246.D

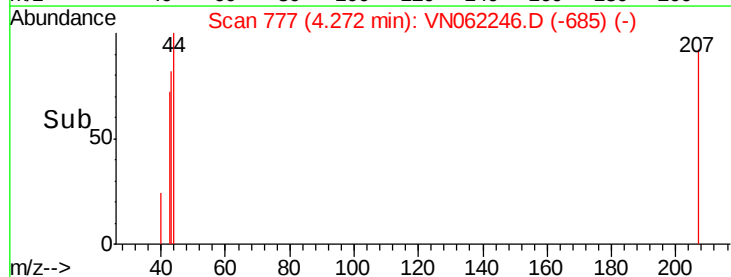
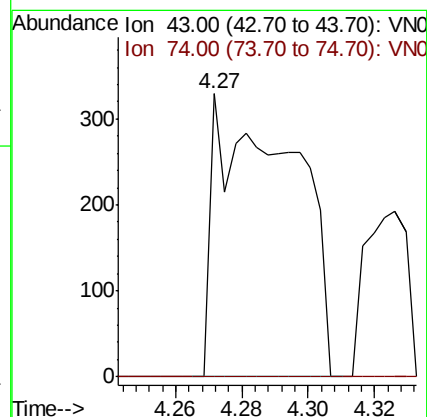
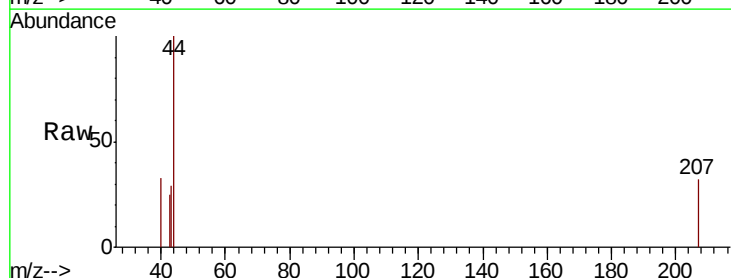
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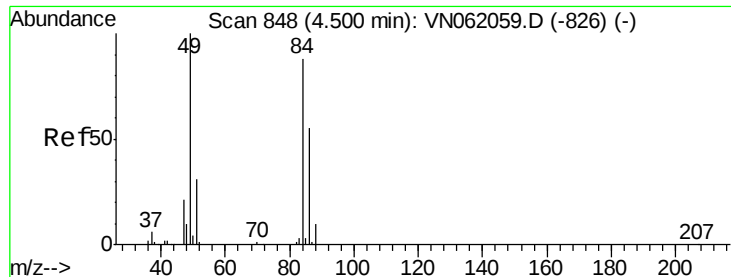
Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#

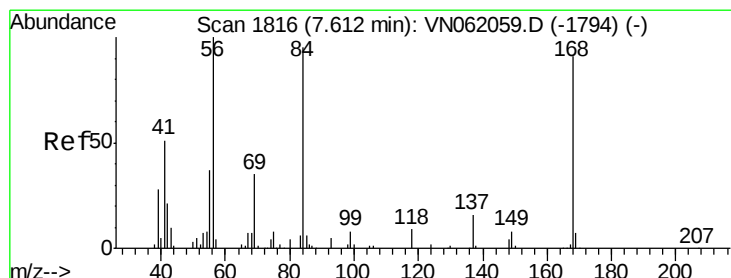
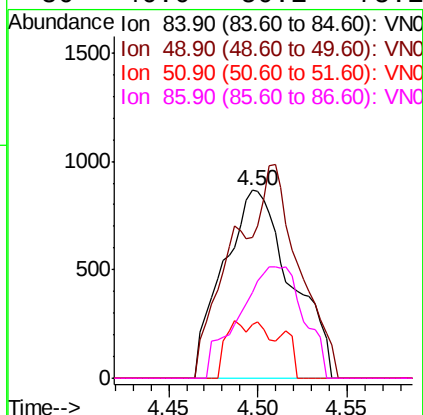
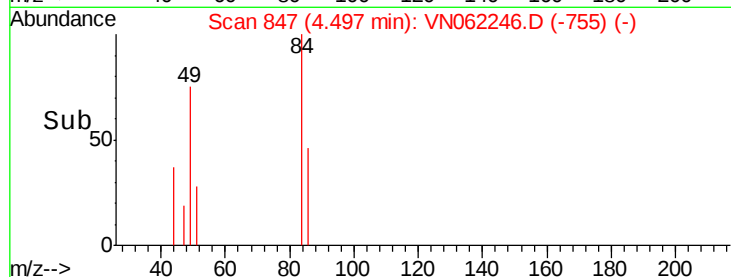
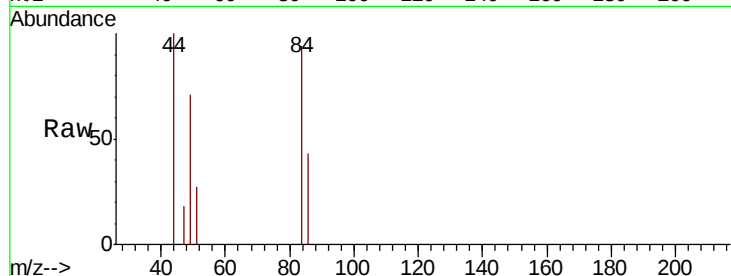




#20
Methvlene Chloride
Concen: 0.709 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

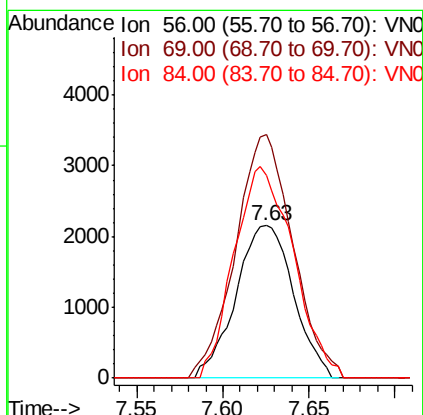
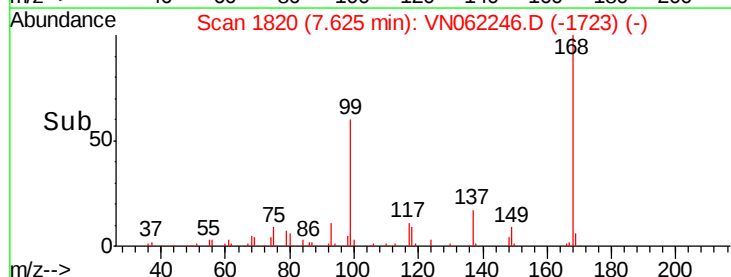
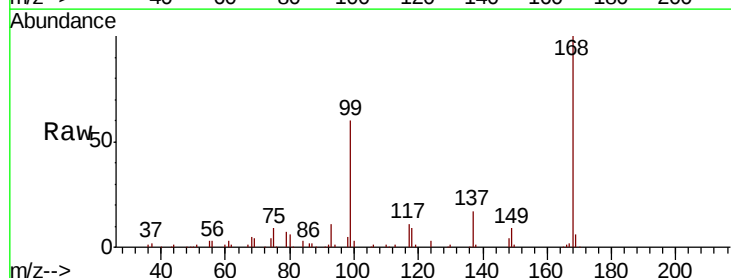
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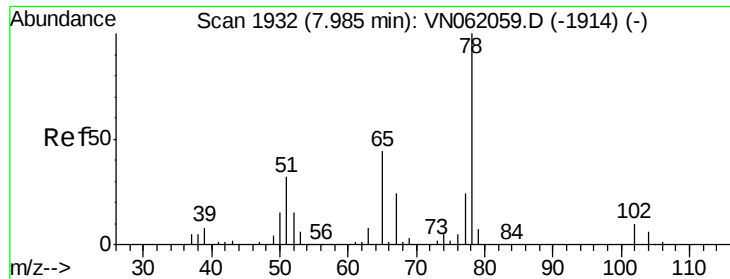
Tot Ion:	84	Resp:	2298
Ion	Ratio	Lower	Upper
84	100		
49	75.0	90.6	136.0#
51	28.4	27.8	41.8
86	46.0	50.1	75.1#



#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Tgt Ion:	56	Resp:	5012
Ion	Ratio	Lower	Upper
56	100		
69	159.5	28.0	42.0#
84	132.9	76.1	114.1#

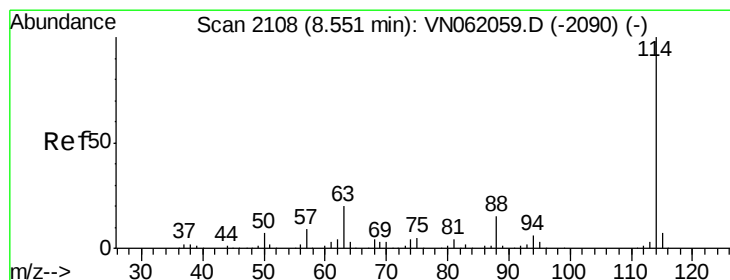
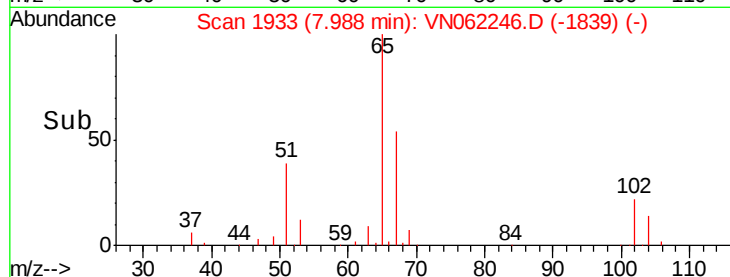
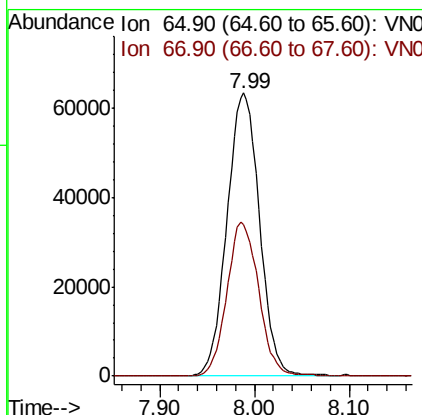
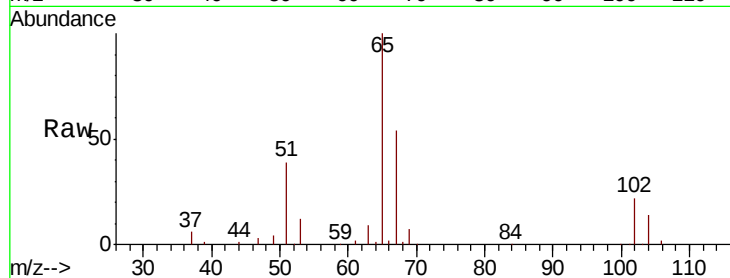




#33
 1,2-Dichloroethane-d4
 Concen: 55.959 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062246.D
 Acq: 30 Jun 2020 17:51

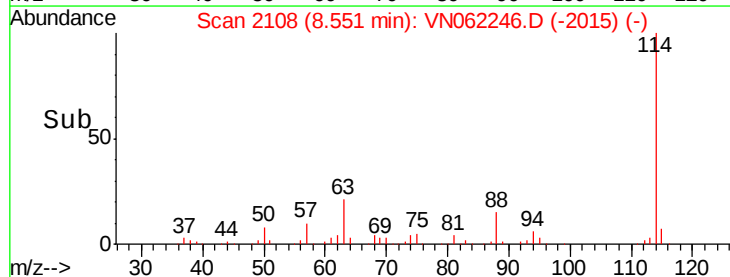
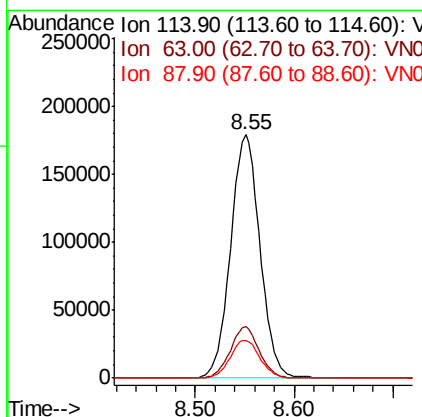
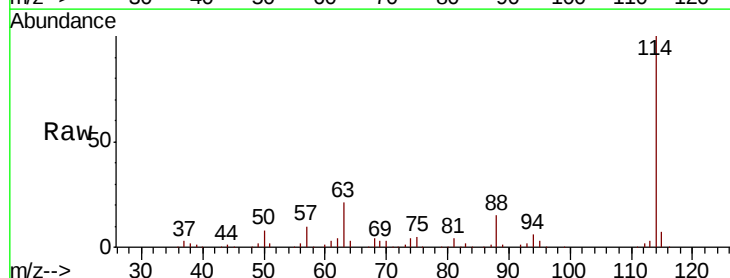
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 MSVOA_N
 ClientSampleId :
 DUP04-20200625

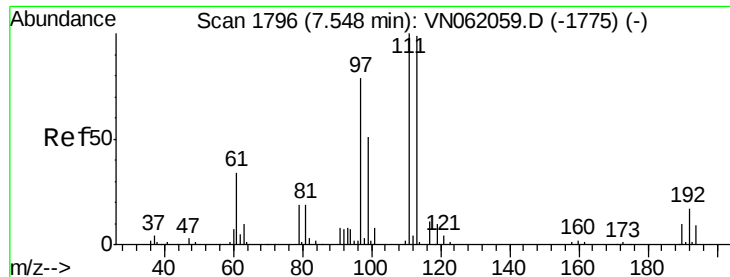
Tot Ion: 65 Resp: 151775
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062246.D
 Acq: 30 Jun 2020 17:51

Tgt Ion: 114 Resp: 372108
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.2
 88 15.5 0.0 30.8

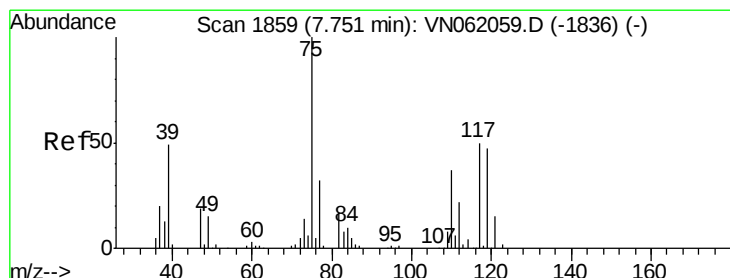
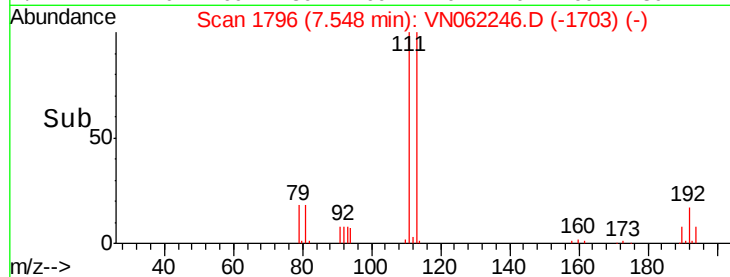
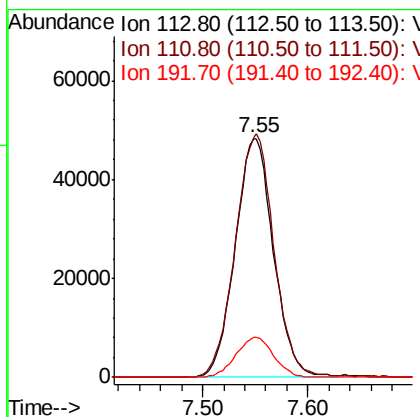
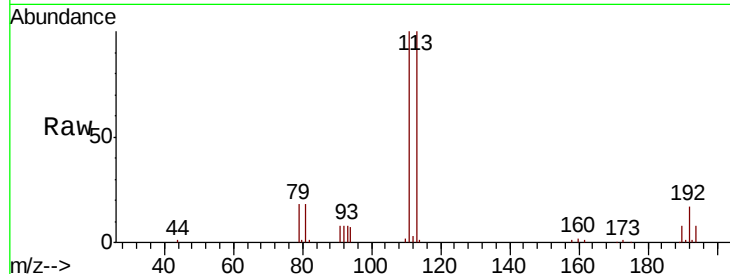




#35
 Dibromofluoromethane
 Concen: 50.903 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062246.D
 Acq: 30 Jun 2020 17:51

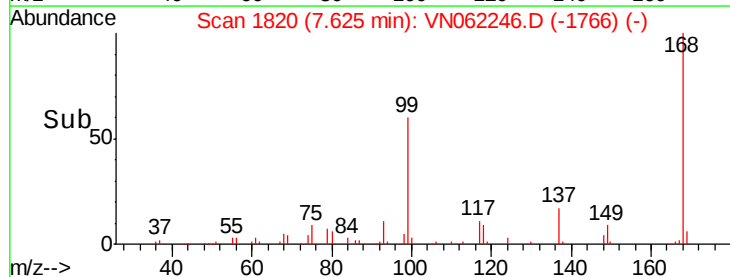
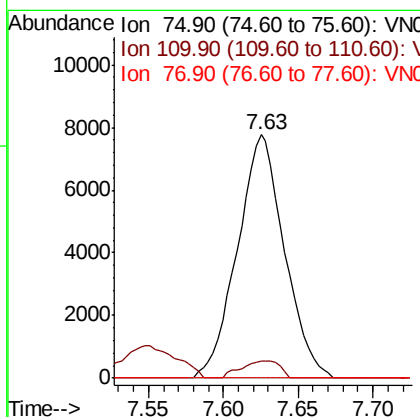
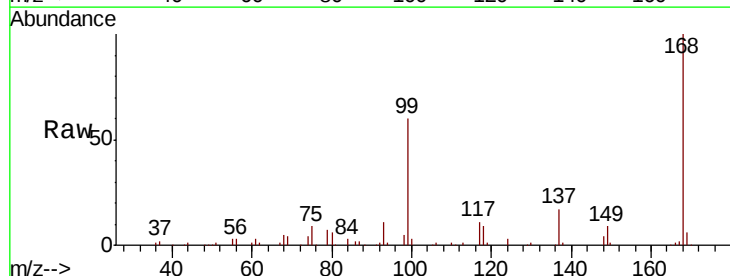
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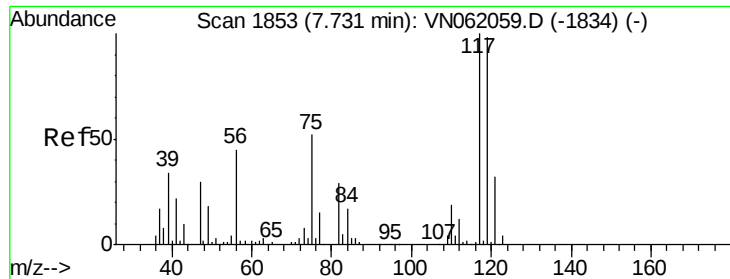
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	16.6	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.531 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062246.D
 Acq: 30 Jun 2020 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.8	17.9	53.8#
77	0.0	24.9	37.3#

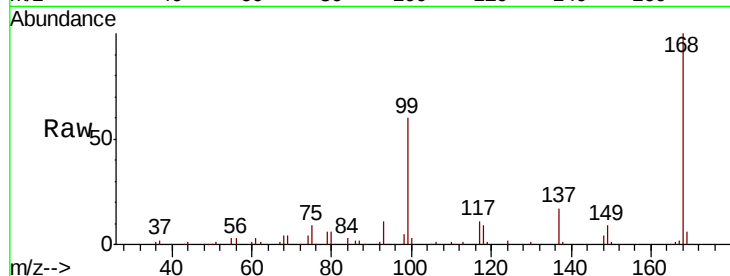




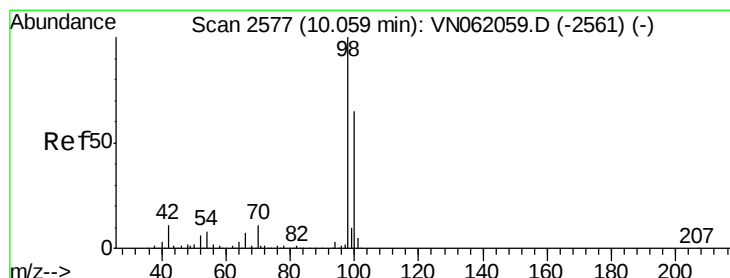
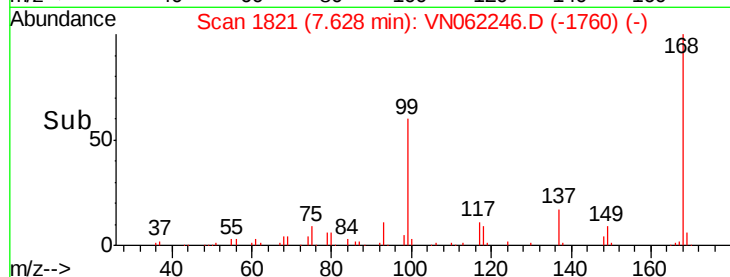
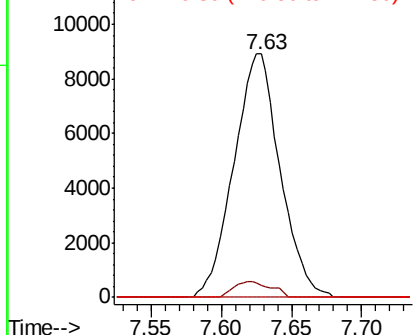
#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

Tot Ion:117 Resp: 20408
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 25.8 38.6#

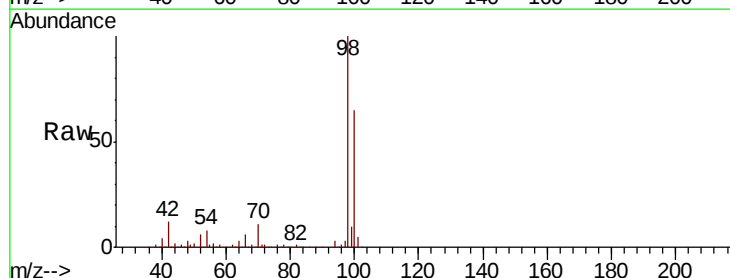


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

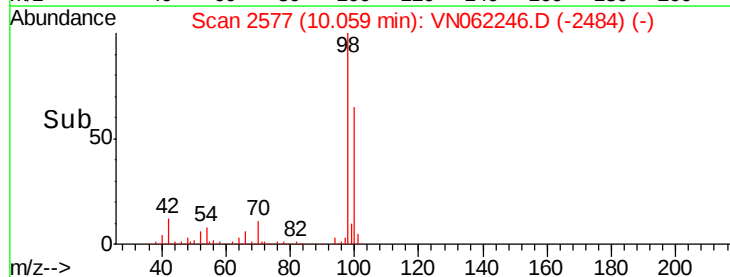
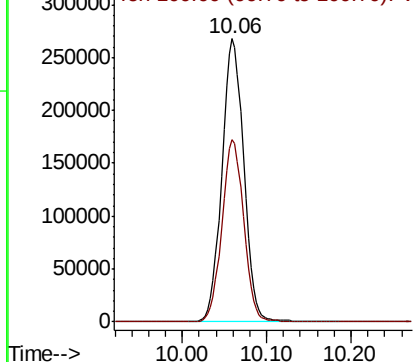


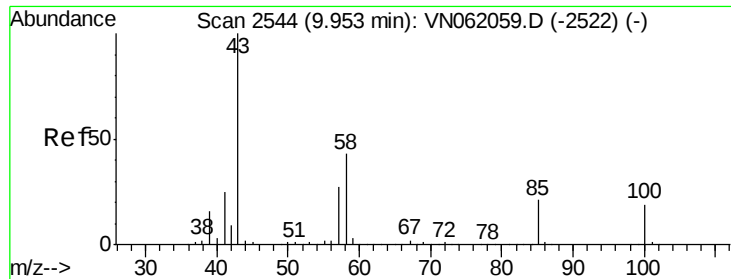
#50
Toluene-d8
Concen: 50.656 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Tgt Ion: 98 Resp: 483391
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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

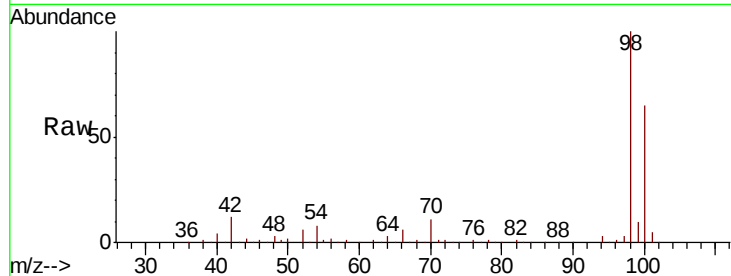




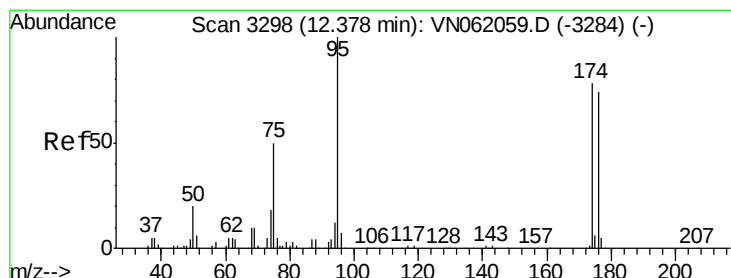
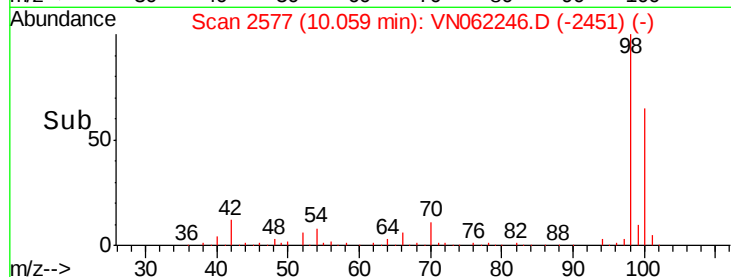
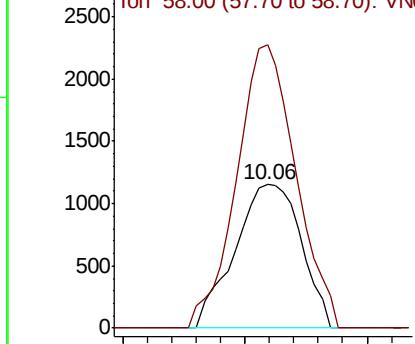
#51
4-Methyl-2-Pentanone
Concen: 0.738 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

Tot Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
58 176.0 34.2 51.2#

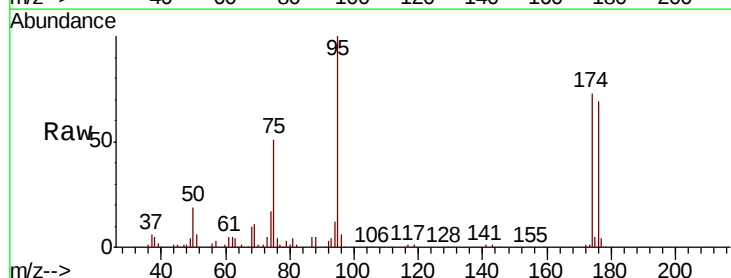


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

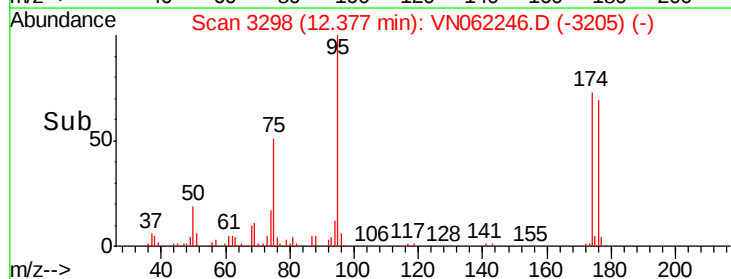
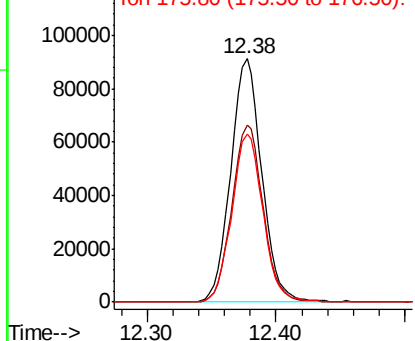


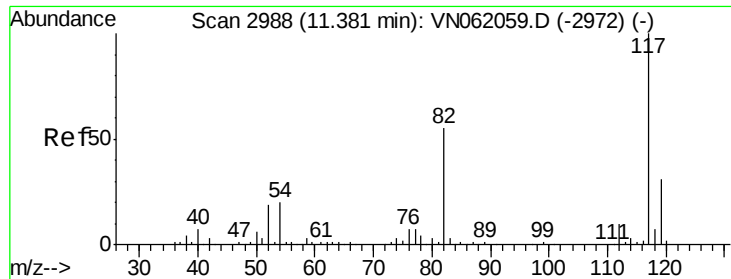
#62
4-Bromofluorobenzene
Concen: 47.439 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Tgt Ion: 95 Resp: 152946
Ion Ratio Lower Upper
95 100
174 72.7 0.0 154.8
176 69.3 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

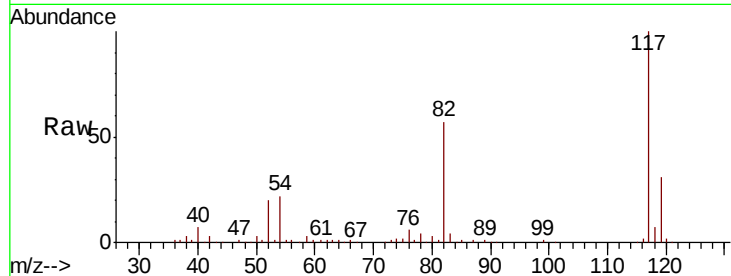




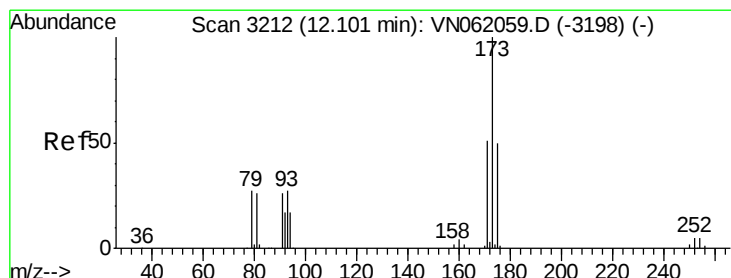
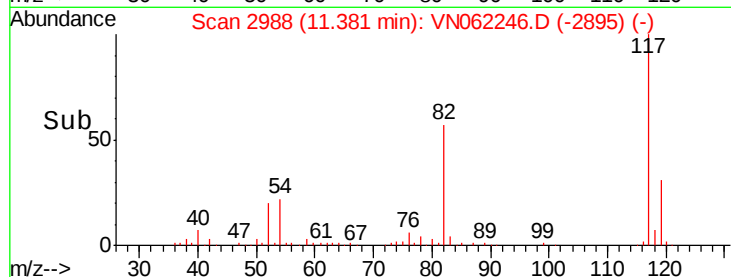
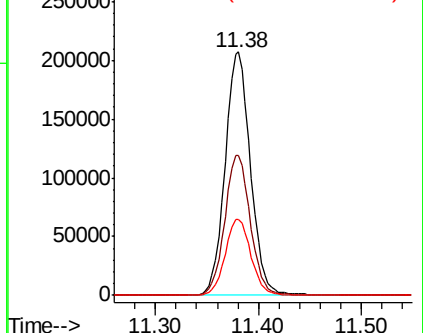
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

Tot Ion:117 Resp: 35535
Ion Ratio Lower Upper
117 100
82 57.5 43.8 65.8
119 31.4 25.2 37.8

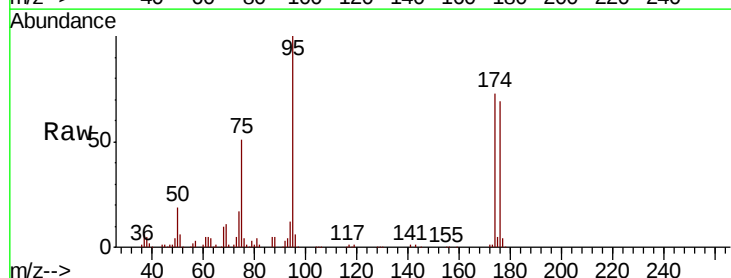


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

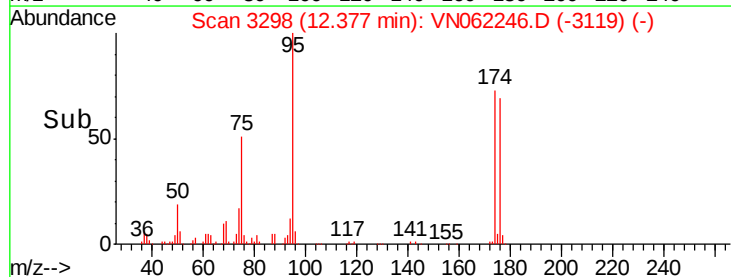
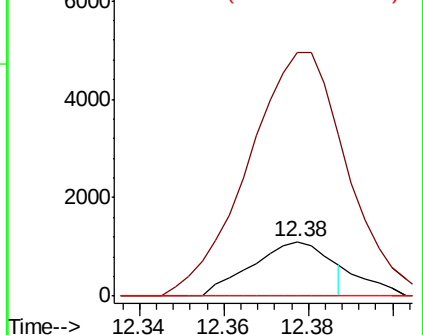


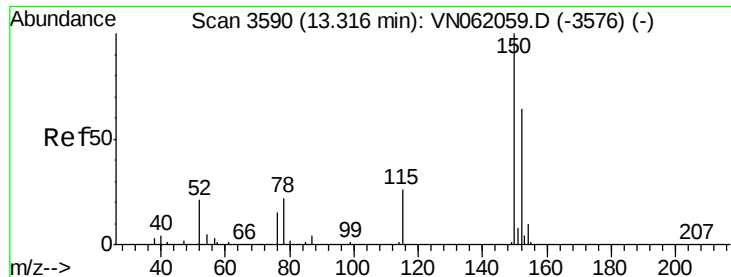
#71
Bromoform
Concen: 0.734 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062246.D
Acq: 30 Jun 2020 17:51

Tgt Ion:173 Resp: 1408
Ion Ratio Lower Upper
173 100
175 489.6 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: VN062246.D

Acq: 30 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20200625

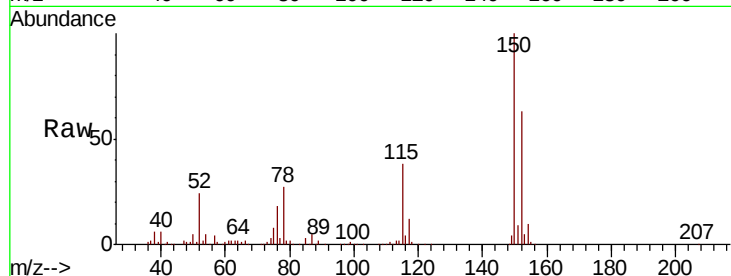
Tot Ion:152 Resp: 122048

Ion Ratio Lower Upper

152 100

115 60.9 29.5 88.5

150 157.5 0.0 351.4

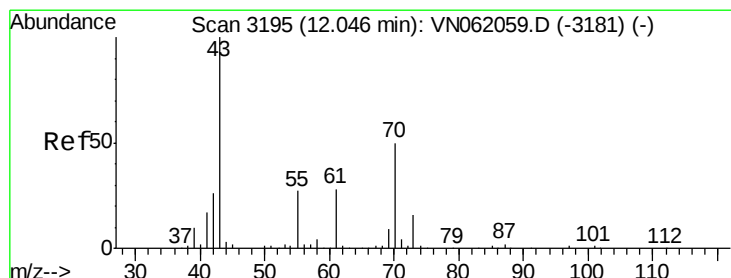
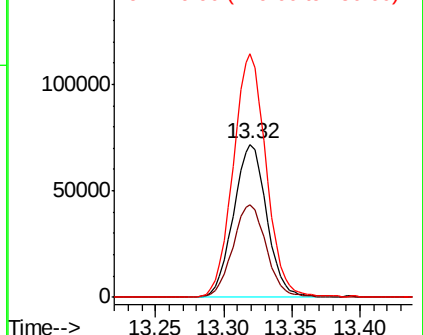
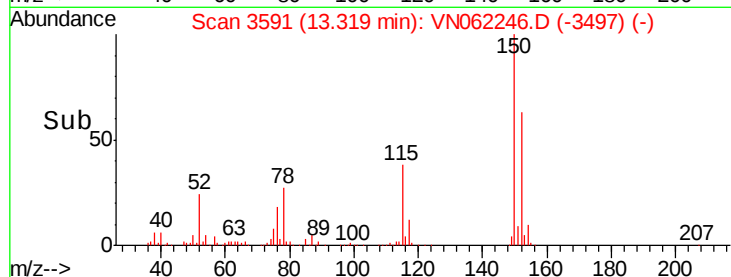


Abundance

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-ethyl acetate

Concen: 3.351 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

Tgt Ion: 43 Resp: 30

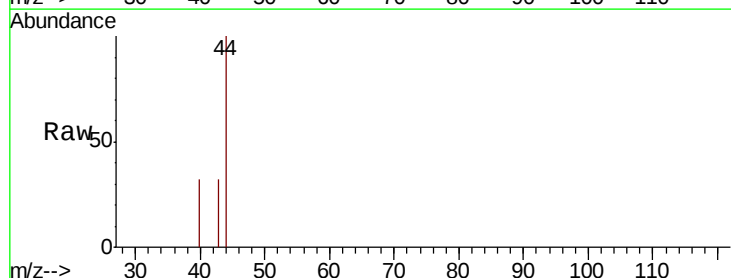
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#



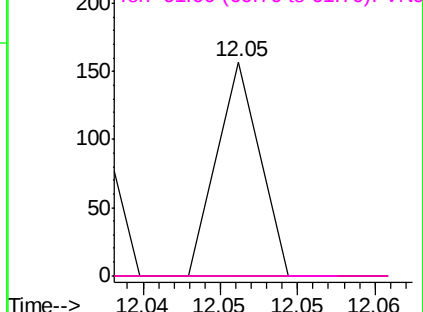
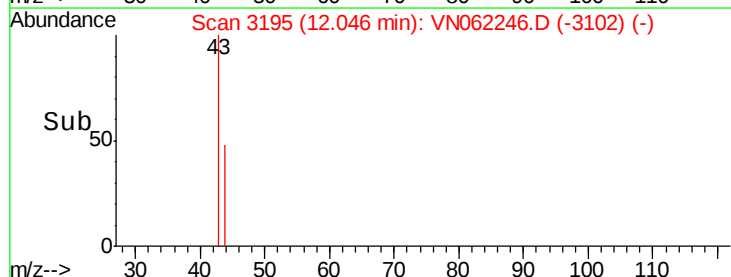
Abundance

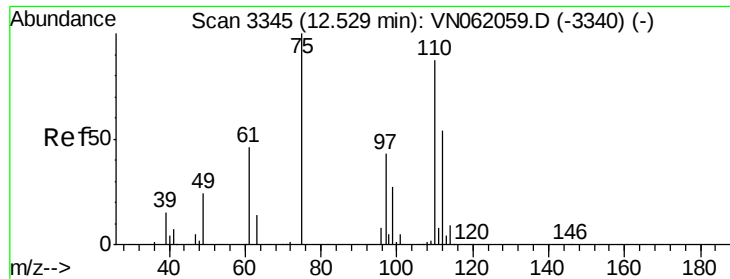
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 27.142 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

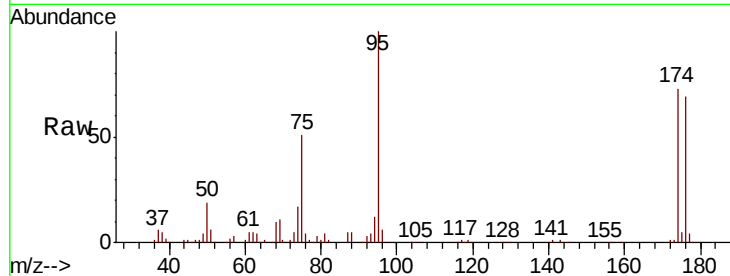
DUP04-20200625

Tot Ion: 75 Resp: 77983

Ion Ratio Lower Upper

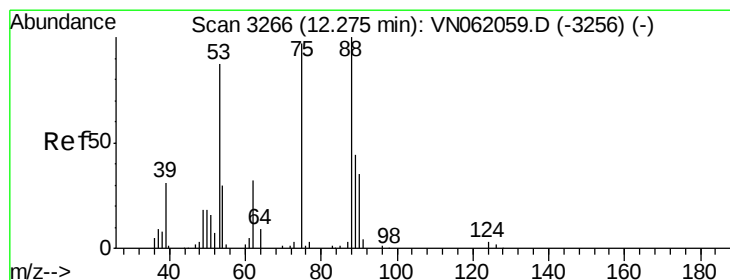
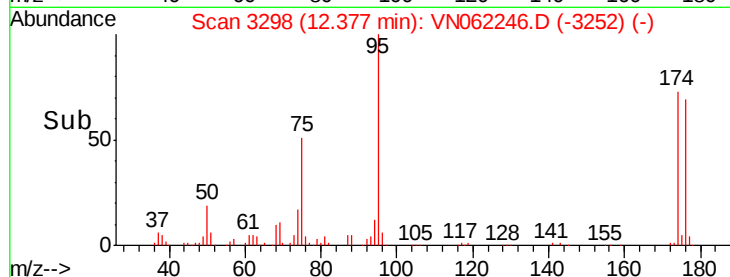
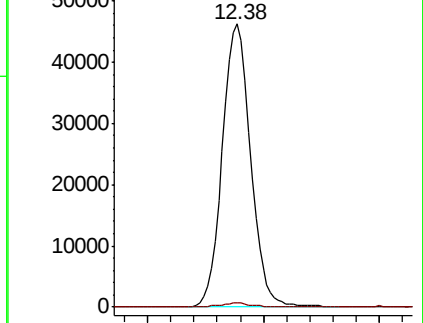
75 100

77 1.4 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: 79.266 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

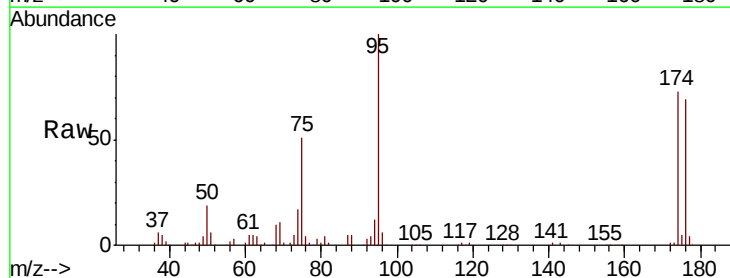
Tgt Ion: 75 Resp: 77983

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

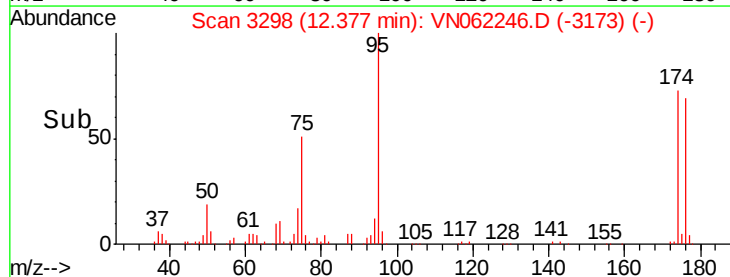
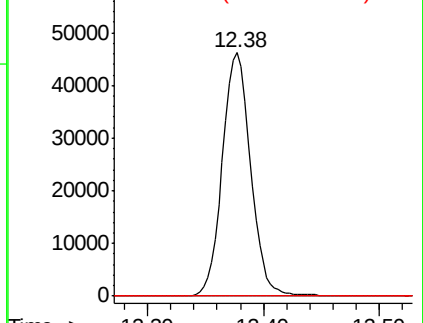
89 0.0 36.9 55.3#

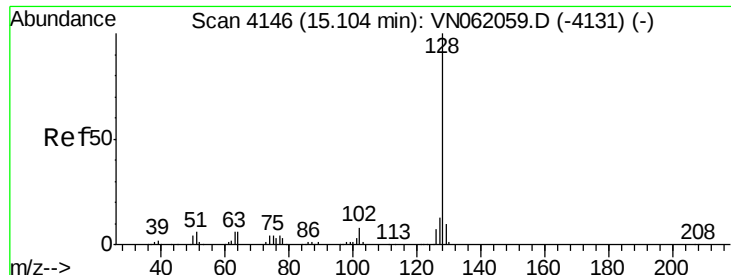


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 4.073 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062246.D

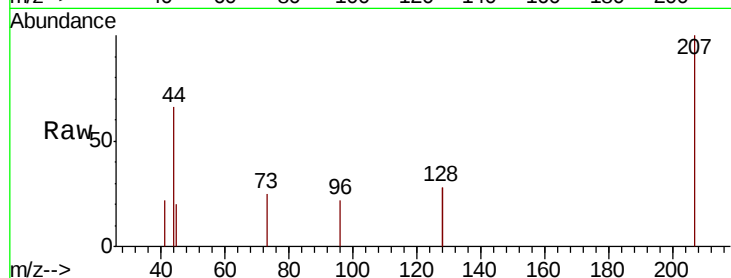
Acq: 30 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20200625



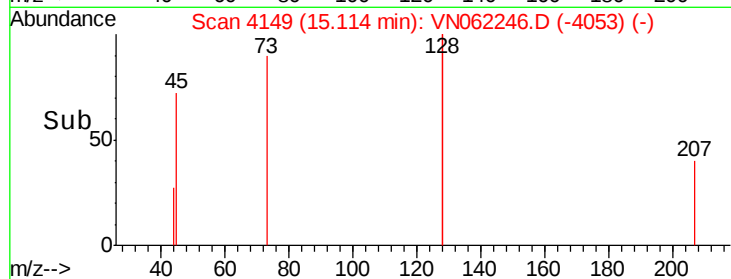
Tot Ion:128 Resp: 492

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

